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271

<210> 43582
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<223> Clone ID: 701042016H1

<400> 43582

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ccggccactc ctctcgccgg cgagccctta ctcttccctc ctccgtcgag ccctctccga 120

ttcgaatcgt tcccagcctc gcaccaccat gaatcccgaa tacgattatt tgttcaaget 180

tttgctgatt ggagattctg gtgtaggcaa gtcattgtctt ctctgaggt ttgctgatga 240

ttcatacctt gacagctata tcagtaccat tgg 273

<210> 43583
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<212> DNA
<213> Glycine max

<223> Clone ID: 701042019H1

<400> 43583

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gccgcgcctc cgtcggacct caaccgcctc caaattgctc agttacaccc aaacaccgat 120

tctgattcca ccgattacac cctgtgtctc tccgacgatt gcttggccgc aatctttcat 180

ttctgaaca ccgccgatcg gaaacgggtgc tctctggtat gcctccggtg gcgccttgtc 240

gacggccaga ggccggaccg gctctccct 269

<210> 43584
<211> 163
<212> DNA
<213> Glycine max

<223> Clone ID: 701042023H1

<400> 43584

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002220"ETFE60

ctctcgctct tcaatggccg tatectctat tcgaatcgcc gtcgtcggtg atgtgcatga 120
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<210> 43585
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 701042029H1

<400> 43585

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ctgcttctgg ctttccccac tgtatttgga gctgaccatg aagtgggtga cactagtgga 180
tgggccctcg gagttaatta caacacctgg gcctctggga aaactttcac agttgggtgac 240
actttggtgt tcaagtatga ctcca 265

<210> 43586
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 701042030H1

<400> 43586

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caccggcaag ggtttgtgcg cggtcattgtg gttttgggta ttctacaggg caaagcaaga 180
tggtcctgtt gtattgggct ggagacatcc ttgggagggt caccatgatg atcatggcaa 240
gggccattag cattccttag gcatgag 267

<210> 43587
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 701042060H1

<400> 43587

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 ttgatctgca tgcaggttct tggacaaggc ttgtatcaga gtggaacaag agggaaatca 180
 ggaaagcgcg tggagattat gcagtgttgc gctagttag caagtgaaga tattgctatc 240
 ggtcattccg atattctcgt 260

<210> 43588
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042074H1

<400> 43588

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 gcgtgaagga catgccggtt ctccaggatg gtccaccgcc gggcggggtc gctccggtcc 180
 ggttcgcccg gcgcattccc aacaagggcc ccagcgccgt tgccattctc ctcaccacct 240
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<210> 43589
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042076H1

<400> 43589

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 tacgcgcaga agaagaccaa gttcatctca gcgcattgatt ccagaatcgc ttgcttcgct 180
 ctacagcttg atggacagtt aatcgccacc gccagcacca agggtagctt gattcggatt 240
 ttcgacaccg atcacggc 258

<210> 43590
 <211> 262
 <212> DNA

<213> Glycine max

<223> Clone ID: 701042095H1

<400> 43590

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 gcttcagatc tggaaggaaa tatttacagc atgatgtggc attctgtaat tttggatggt 180
 cagttgtaag ctaactcatt ttttccccta tccttttcat ttataataat agcgaatata 240
 ataaaaaaaa attatttacc gg 262

<210> 43591

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 701042096H1

<400> 43591

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 cactcccatt ccaagttcat tgcgagatct tctaaagcct ggccctgcaa gtgttgaaat 180
 cgatgatcac cctatgcaaa ttgaagaaac acagtaccgcg aaaaccttct tctataaaga 240
 agaccttcat ccaggcaaaa caatg 265

<210> 43592

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 701042103H1

<400> 43592

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 ggactaccac agtgaccaga agttcaccat caccacctac tcaccactg gagttgctat 180
 aacagcatca ggaaccagga aaagtgaact gtttgtggct gatgtcaaca ccagttgaa 240

gaacaaaaac atcactactg atatcaa

267

<210> 43593
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 701042108H1

<400> 43593

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tgtataattht gggcccaggt agtgatgagc atcttgacag gaagattcta gatcctgagt 120
gcttgagcaa ggttgaatca attttttagca atctttcaga aaccattcaa aaatatggcc 180
cttggctcttc tgcattgggtta ggtgaagctg gcggggcatt caacagtggg ggtcgttctg 240
tttctaacac atttgtaaht a 261

<210> 43594
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 701042116H1

<400> 43594

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tgagactctg cttgggggtgc tacttacgaa tgttttcccg gaaaaacgta aatttcttct 180
aatgctttat gaaaagaata acgaacaagt tcaatgtata ccgcctttat aaaataataa 240
caagtttcat 250

<210> 43595
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 701042120H1

<400> 43595

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aagagaaaga gtgaaatcgg agtttgggaa ggaattgcaa tcaatggatg tgataaagac 120
gcagcaaatc tcatctcgac caatcgagaa ggtgggtggtt caccctctcg tgcttctcag 180
catctcgac aactacaaca gagtcgcaa agacactcgc aagcgcgtcg tcggcgtctt 240
gctcggctcc tccttcaaag gcaccg 266

<210> 43596
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<212> DNA
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<223> Clone ID: 701042123H1

<400> 43596

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cttcaccgca tcaatggagt tggacggcgt tctcctcggc atgtgcaacc ctctcctcga 120
catctctgcc gtcgtcgacg acgctttctt gcaaaaatac ggtatcaagt tgaacgatgc 180
gattctcgct gaggataagc acaaacctat gtatgaagaa ttggctaaca atcctaattg 240
ggagtacatt gctggagggtg c 261

<210> 43597
<211> 258
<212> DNA
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<223> Clone ID: 701042125H1

<400> 43597

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aagtggactt tctgttcctg caattatgat tcgtaatttg gctattcaac ttaggaaggt 120
gtgtaaccat cctgatctcc ttgagtcagc atttgatgat tcatatttgt atcctccttt 180
ggaagagata gttggacaat gtggaaaatt ccatttgctt gatcgattgc tgcaacgttt 240
atcttcaagg aatcacao 258

<210> 43598
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 701042128H1

<400> 43598

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ctccttttga ttccatcatc ttcgatttgg acgacacctt gtacccgtca agcaccggta 120
ttgacaagtg cgtcaagaaa aacatccaac tctttctcat ccagaaatgc ggattctcag 180
aatccgaagc cttcaccctc cgagttgatc tcttcaaaac ctacggaagc acccttgccg 240
gtttaagagc actaggccat 260

<210> 43599

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 701042129H1

<400> 43599

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atctgattca agtactgctt ctagctcaa agcgtgtcgg gagaagttga ggagggatag 120
gcttaatgac aagtttggtg aattgggctc catcttgagg cccggaaggc ctcccaaaac 180
agacaaggct tccattctga ttgatgctgc ccgaatggtg acacagctgc gggatgaagc 240
cctgaagttg aaagactca 259

<210> 43600

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 701042136H1

<400> 43600

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gaatacgggc agtgtggcga agaaccgag cgcaaggatg gactggtag acctttaagg 120
agagatatag agatccctca gcgctgtgct cctaagcttg ttgttcggca ggttgctgca 180
ggaggaactc actcagtggg acttacacga gaagggcatg tttggacatg gggtcagcca 240
tggccgcctg gtgacataaa ac 262

<210> 43601
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042139H1

<400> 43601

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 gggagctact ggaagcccat ttgtgtgcag ggttcatatt gccctcaagt tgaaggagg 120
 tgaatacaaa tatgtcgaag aaaatttgag gaacaagagt gaactgcttc tcaaatacaa 180
 ccagttcac aagaagggtc cagtgtttat tcacaatgag aagcccatag cagagtctct 240
 tgtgattgtt gaatacattg 260

<210> 43602
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042145H1

<400> 43602

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 gctatcatcg gccaaagacgg aagcgtttgg gctcagagca ccaacttccc tcagttcaaa 180
 cctgaggaaa taactgccat caataatgac tttaatgagc ctggatcact tgctccaact 240
 ggattgtata tcggtggc 258

<210> 43603
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042182H1

<400> 43603

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ttcaagagca ggtcttttcgg atcctcatcg tccaattgcc agcttcatgt ttatgggacc 180
 tacaggtgta ggaagacag agctggctaa ggcacttgca gcctacttgt tcaacactga 240
 agaagctctt gtacggattg 260

<210> 43604
 <211> 286
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042201H1
 <400> 43604

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 gaaagtgggtg atcctaggag gtggtgttgc cggtgccaac cttgcaaaaa ctatacaaca 120
 tcaagccaac gtcaccctta ttgatccgaa ggaatatttt gagattccat gggcaagttt 180
 gaggggattg gttgagccaa cttttgctga aaggatagta atcaaccata gagagtactt 240
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<210> 43605
 <211> 279
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042204H1
 <400> 43605

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 atgtatttgt attggcctct tccatcgag cctctgctgg caacttctac caggattttg 180
 acgtaacttg gggagatggg cgtgccaaga tactcaacaa cggcgatctt ctactctttt 240
 cccttgacaa agcctctggc tcggggtttc agtccaaaa 279

<210> 43606
 <211> 274
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042227H1

<400> 43606

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 cggttgcact caatccctct ctgectacat ttatctcaaa ttgcgccccaa ttcccttcca 180
 attggacttc cacctcaaca accctcattc tgatcaaatt ccttactttg aggttgatga 240
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<210> 43607

<211> 278

<212> DNA

<213> Glycine max

<223> Clone ID: 701042235H1

<400> 43607

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 aaggcctctt tccaatcttc aaagcagcta ctgcggcagc tccattttcc aattgaagtt 180
 agcagagcag ccatctgtgt gtgaagggga catgatggat gattcccaaa agcatagaat 240
 cctgatggtc tcagatTTTT tctatcccaa ctttggag 278

<210> 43608

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 701042239H1

<400> 43608

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 ttcttaagga agcaatccat gttatcagct gtggttacga agacaagaca gaatggggca 180
 aagagattgg atggatctat ggctctgtga cagaagatat cttgactggg ttcaagatgc 240
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<210> 43609

<211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042242H1

<400> 43609

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 aggactacca tgaccctcct ccggcaccgt tgatcgaccc agatgagctc acaaagtggg 180
 ccttgtagag agccgccata gctgagttca tagcaacact cctttttctt tacatcaccg 240
 tggtgaccat tattggctac aagagacaga gtg 273

<210> 43610
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042243H1

<400> 43610

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 acccttcccg gatcccaatc cctaattctt ctaccactct cactccaaaa atctctaatt 120
 ttttcatctg ggaagatcgg ttgacgaatc gaggatccga tcgcttgcca ggaactaggg 180
 tttcaatcga tcgcatcaca cacaaacaat catgttttagc cggatgttcg gtaaacctaa 240
 acaggaaacc aatgctgttg ccactttgga caa 273

<210> 43611
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042244H1

<400> 43611

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 caggtgctcc tcgtccttca cgatggcggg aactgaagcc aaaaaaactg aatccaaaaa 180

acctgccgct aagcaatccg gtgcgaagaa gaaggaggtg aagaaggaaa ctggcttagg 240
tctcacgcat cggaaggcgg agaacttcgg aga 273

<210> 43612
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 701042246H1

<400> 43612

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ggggaagata actcttggtg ctttcgatga ctcttttggg gttgcctctc ttaaggctta 120
tttggcagag ttccatgcaa ctctgatttt cgtgttcgct ggtgttggtt cagccatcgc 180
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ggcccatgca tttgcactgt ttgtaggtgt ctc 273

<210> 43613
<211> 278
<212> DNA
<213> Glycine max

<223> Clone ID: 701042247H1

<400> 43613

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ttggacattg catttcagaa cagatgggat ccgacaatcc gagtttggct ggtgacagcc 120
agtatagtag atctattctg gaagaatttt ctcagtactt gttcaatgac tctcaacatg 180
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agaaggatcc ttcttcagca gaagacataa acacaatg 278

<210> 43614
<211> 276
<212> DNA
<213> Glycine max

<223> Clone ID: 701042250H1

<400> 43614

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 gaaggcgaag aagaagctca gaggcttcat cgctgagaag agatgcgctc ctctaagct 180
 ccgtttggca tggcactctg ctggaactta cgacgtgagc tcgaagaccg gtggtcctt 240
 cggaaccata aagcaccct ccgaactcgc tcacgg 276

<210> 43615
 <211> 273
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042253H1
 <400> 43615

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 attttaccaa ccttgcacat ttcagcaaat ttttatcatg ggttctgttg aatcgagata 120
 gctccatttc cctgcatagt ctagatttga ggcgtaaagg ctgtatagat catgaactcc 180
 tggacatgat catgggatat gctgtgtcac atgatgtcca gcagttggca attgaagtta 240
 atttaaatgc taaatttggg ttttaagttgc agc 273

<210> 43616
 <211> 274
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042256H1
 <400> 43616

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 tggaagctca cacatttttt tctgcgtccg agaatcgcat ttttctagtt cctgcgcac 120
 caaacgagtc cttaatatcg aactttcctg aagatgggtg tgatagagca tgaagagagc 180
 aagcagagaa acgcgaaccc ctccaacgcc gccaacgacg attccgacgg cttcgaaacc 240
 gccagcgaca ccgatctggc cgggtgaaggc gacg 274

<210> 43617
 <211> 271
 <212> DNA

<213> Glycine max

<223> Clone ID: 701042257H1

<400> 43617

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 gccagatgg cgtttgatgg ccaggaatc accctctctc gactcagaca aaaccgccac 180
 tgctggattc tgcattcattg aaggccccga aactgtacag gattttgcca agatggagct 240
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<210> 43618

<211> 280

<212> DNA

<213> Glycine max

<223> Clone ID: 701042264H1

<400> 43618

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 ctttcatcca gactagcagg tttacctgga gtcaaagcat cattgcttga agagtacggc 180
 attcgttttg tcacatatga tcttcttggg tttggggaga gtgatcctca tcccaacaga 240
 aatctcaact catcagctat ggatgtgctg catctagtca 280

<210> 43619

<211> 272

<212> DNA

<213> Glycine max

<223> Clone ID: 701042271H1

<400> 43619

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 gatcaggatg ccaatagctc aggccttcac ctggttctag ggctttcttt gactgctagt 120
 gttaaggaaa ccgctccgtc caccaagccc gatgatcacc atctttgtgt tatcaagcca 180
 actccaacga aaccttatcc ttccaaagaa ccgtctttga cgttggggct gtccggtaag 240

ggttaccacg tgcccagaaa taacgttgcc at

272

<210> 43620
<211> 269
<212> DNA
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<223> Clone ID: 701042276H1

<400> 43620

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ttggccaaac actccattc caagttcatt gcgagatctt ctaaagcctg gccctgcaag 180
tgttgaaatc gatgatcacc ctatgcaaat tgaagaaaca cagtaccga aaaccttctt 240
ctataaagaa gaccttcac caggcaaaa 269

<210> 43621
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 701042281H1

<400> 43621

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tcagatccct tgtatgaccg tgaatgggag gatgagaaga gacaaagagc tgatcagaag 120
cgaaggcacc gaaagtaaca aacccaaagg ggatttcacc agtaaaacttt tttgaagggt 180
gttcattttta tgcacgtgct ataatgccaa ctttttgcgt gagttgaggt ggtgggttca 240
caacactttt aaccgtcagc cccctcattt ttctg 275

<210> 43622
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701042285H1

<400> 43622

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gtcgtggaaa aacccttatg gcgaaacttt tcccggaaaa ccagccggaa gattctccga 120
 tggaagagtt ctaaccgact acattgctaa gtatttggga ctcaaatcac cagttcccta 180
 taaatttagg aaagtgatgc agcaacattt gaaatacggg atgaattttg catttggtgg 240
 tacgggagtg tttgacacat cctccaaaaa t 271

<210> 43623
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042295H1

<400> 43623

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 aagaagatgc cgatcagaaa catcgccgta ggaaggcctg aagaggcgac tcaccccgac 120
 acgttgaagg cggctttggc tgagttcatc tcaaccttca tcttcgtgtt cgccggctca 180
 ggctccggca tcgcctacaa caagctcacc gacaacggcg ctgccacccc tgccggcctc 240
 atctccgect ccatcgccca tgcattogcc ctctt 275

<210> 43624
 <211> 78
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701042332H1

<400> 43624

gnggaactta anttgntntg gtgcaatggn ggatttggac gaacgaagac aanagcacgg 60
 caatggagna anaagttc 78

<210> 43625
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042333H1

<400> 43625

cgactcgggt cggttgatgt ttggactatt tttcttctct ctctgtctct ctgaggactc 60

tttgtgtttc gactctatTT tctccaaaca caacaacaac accagaggca gaggcagaga 120
 gaaacagaga gagaaaggag taacaaatag ttgattatTT caaagacaat gaacaataaa 180
 gatggaaaac cCGTcatcca accagacaag agcaggattg tccctatggc aatcatatTT 240
 gtggtgctat gtgga 255

<210> 43626
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042340H1

<400> 43626

gctaggttga aaatagtttg gttttgtagt aagtgaggtg aggtgccaaa atggtgaaga 60
 taactcttgg tactttcgat gactcttttg gtgttgccctc tcttaaggct tatttggcag 120
 agttccatgc aactctgatt ttcgtgttcg ctggtgttgg ttcagccatc gcttacaacg 180
 agcttacaaa agatgcagcc ttggatccaa cggggctggg ggcagtagct gtggcccatg 240
 catttgca 248

<210> 43627
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042344H1

<400> 43627

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 tggggatttt catgcatata cacttttTga accaattggg gttgtgggac acataattcc 120
 atggaatgcc cccagcctct cgtttttcat caagggttagc ccttccttag ctgcaggctg 180
 caccatggtc ctcaaacctg ctgaacaaac acccctctct gccttgTTTT atgctcatct 240
 agctaagt 248

<210> 43628
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042353H1

<400> 43628

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 tgcaacttgg gaagccacca aagaccccat gctgcaacct cattgagggt ctgctgatc 120
 ttgaagctgc agtgtgcctc tgcactgctc tcaaagctaa tgtgttgggc atcaacctca 180
 atgttccagt gaacttgagc ttgctactca actactgtgg aaagggtgtt cccaagggtt 240
 tcgtctgc 248

<210> 43629

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 701042357H1

<400> 43629

gaaaagggtc ttctccaagt gggaccaagt gaaagaccca gaaccagaac cagaatcaga 60
 atcagaatca aaatcaacgg ttaattcttc ttcaaagcca ccaactttat catcctttgt 120
 tcttgcatgt gcatattctg ttgtgtgtat tgcaaaagcg gttcacgggg ttgaaaagga 180
 gaagcaaaag tttggtttct ggttcccggt ggattatagg gctaggttag agcctccaat 240
 ccctgata 248

<210> 43630

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 701042370H1

<400> 43630

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 actcacgtcg gcctcaacgt cctgctctcg ttaatcgtct cggtggttct cgttggcttg 180
 cacgtgcgt ttagggttac cgaggatttg tttcttgacg aggaaagttc gttgctttcc 240
 gttgtgg 247

002230"CTTTS60

<210> 43631
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 701042385H1

<400> 43631

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cttttgggag ctactggaag cccatttgtg tgcagggttc atattgccct caagttgaag 120
ggagttgaat acaaatatgt cgaagaaaat ttgaggaaca agagtgaact gcttctcaaa 180
tccaaccag ttcacaagaa ggttccagt tttattcaca atgagaagcc catagcagag 240
tctcttg 247

<210> 43632
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 701042392H1

<400> 43632

aaatggtgct gccaatggta gttctctaaa atcaaacaac caactatgca gtcctcctgc 60
ttctagtga agttctgtta tgaggcagtt ttcagctccc cttcatctg ggccttcaaa 120
tgttagatta gtacagtcac ctaagataat gccaggttat ccggagcact gaagaagaat 180
gaatctaagt ggttggggaa attccgggtc cttgtgcaa cacctaact agcacggata 240
aaatta 246

<210> 43633
<211> 75
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701042508H1

<400> 43633

ctnnacacgg agggatcgga ggtctcaagg ntaannncag ggagtngagg gattacatac 60

<210> 43634
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 701042519H1

<400> 43634

actcaaactc gggatcacag aaaccaacaa cagttcttgc actgagggtt cacgatgttg 60
ctggaacttg cacttggttt gtttgtgtta gctttgtttc tgcacttgcg tcccacacca 120
agtgcaaaat caaaagcact tcgccacctc ccaaaccctc caagcccaaa gcctcgtctt 180
cccttcattg gccaccttca cctcttaaaa gataaacttc tccactatgc actcatcgat 240
ctctccaaaa agcatggccc cttattctc 269

<210> 43635
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 701042522H1

<400> 43635

ggccgaagtg cagagaaacc aagaactgtg gaagatgtaa tagatagagc taaaccatgg 60
caactatctg aaattctgga tctgttccaa tgtcggtcag ttaccatgcc tgagagcaca 120
gattcttcca gcaaggttgt cagactttta tatacaaact ctgctgttgg tattttggcc 180
cttggttcaa atggtatcca gaagctttgg aaatgggctc gcagtgaaca gaatcctact 240
gggaaggcta ctgccaatgt tgttcca 267

<210> 43636
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701042526H1

<400> 43636

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0953113-032200

aatagtgttt ccaaactcct ctgcccaca gaggatgcca gtggttgga tgggatctgc 120
 ccctgacttc acatgcaaca aagacacaaa ggaggctatc attgaggccg tgaaacaggg 180
 ttacagacac ttcgacactg ctgctgctta tggctctgaa caggctctcg gtgaagctct 240
 caaggaagct atccatcttg gctcgtctc 270

<210> 43637
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042534H1

<400> 43637

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 tttccacatt tgccctccc cataaacggg gccgtttcgt gtaccagaag agaattctgt 120
 acttcaccgc agtagcatag tccacacggg accacattct cccagccacc gccgcggtga 180
 gggttccgcc gccgccgtg aagtttccgt gcttggtggc cttcttctgg tggccctggt 240
 agaacctttg cacggtggcg ttgccgagt 269

<210> 43638
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042539H1

<400> 43638

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 atctcacttg gggacacaat tggagttggt actcccggta atgaattagc tagatgtctt 120
 tctttttgaa aactttatgc tacacacaga acataataat atcagcctca tggcagcatt 180
 cccttgtttg gcatttgtct tcaaacactt ttactaaac atcagcctat tactcacctt 240
 tcctgtgctt tgtgttgatc gtgat 265

<210> 43639
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042571H1

<400> 43639

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aatggagata tgggtgtcct ccaaattatg acgttgtcaa caaattattt gatgaaggca 120
gaaccaaggt atggcctccg ggttcacttg aagaaaaggt gcagacttta gtgaagaatt 180
gggagatgga aatgttccac aaggaggatt tcaaggataa cagatcagtg gacccagaga 240
aatacacttt cagcctaaac ggaa 264

<210> 43640

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 701042573H1

<400> 43640

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tcgccatggt gatcatggac gtaaacaaac tgacgtacag ttgaccttgt ctggattact 120
gaacttcata gacgggttat ggtctagttg tggagacgag agaatcatca tattcaccac 180
caaccacaag gagaggctag acccagcact gttgaggcca ggaagaatgg acatgcacat 240
tcacatgtcc tattgtcctt accaag 266

<210> 43641

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 701042575H1

<400> 43641

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ccaacttttg gaggggtggtg aggatgatga tattgttcaa tccaagtatg attcagatga 120
agatcagggt gatcaagaag caaatccatt aatggtgcca cttaatgatg gggcagagct 180
cacccaagag gaggtcatga ataagtgggt tagtcaggat gtctttgctg aagctgcaga 240
ggaaggagac tttgagaagg atgaga 266

002220"CTTCTT560

<210> 43642
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 701042578H1

<400> 43642

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agaagatggt gaacaagttg tggacataag tggcaacccc attttcccag gtggcacata 120
ttacattatg ccatcaactt ggggcgctgc cgggtggtgga ttgaaactag gccggacagg 180
aaactcaaac tgcccagtta ctgttttgca agattactca gaaatcttcc gtggcacacc 240
agtcaaattc agcatacctg ggataagcc 269

<210> 43643
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 701042584H1

<400> 43643

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ttctaccatg gccgcaccgg acgcgtctgg aatgtcacca aacgtgctgt tggcgtcgaa 120
gtcaacaagc aggttggcaa cagaattata aggaagagga ttcatgtgcy ggtagagcat 180
gttatgcctt caagggtcac tgaggagttc cgcctcagga agattaagaa tgatcagcta 240
aaggccgaag ccaagggtcaa ggggt 264

<210> 43644
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701042607H1

<400> 43644

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tttcagggga gaaaaagggt aatctgtaaa ttgattttcc cattgctgaa gatgtacaga 120

ctacagagtt catgtcaagc tgattctgtc aaacctgcta tttaatgcag ttgacagatt 180
 cagttgttct gaatttcacg ctgtcacatt gtataaattt tacaaatatt tgtcacattt 240
 ggtgaaaacc caatgtgaac atttcttcag 270

<210> 43645
 <211> 269
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042609H1
 <400> 43645

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 cttacgggat cgactagaca gttggaccgg aaaagttcac actgcattgt tgtccattga 120
 ggcagaaaca cctgatctaa ttggatcgtg atctttcttt aatttttttt ctgccctatg 180
 taacaatttc tcaagtcaaa gggaacacat cctaaggctt caaaagatga agagaaattc 240
 caagtgacat gggcaatgta gccaaacttg 269

<210> 43646
 <211> 268
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042610H1
 <400> 43646

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 cacaaaatca tttcaciaag agaagagaca gtggatcgcg gtttcatttc agaccaaaga 120
 tgggtgcagtg gcagagacac gttttcccct ttcttcgcca cattcacaag cgagcagtgg 180
 aacccacgc caccattct gctccaagcc ttgtaatttc tcgcttagcc tcttctcttt 240
 cacaagggtca gttaggaagg agaacatg 268

<210> 43647
 <211> 267
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042622H1

<400> 43647
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ggtttttcctt gacactttgc ttgaattcgc tgaggatgag accatggaga tcaaaatcac 120
caaggaccac atcaagggtc ttgttgtcga ctttttctcg gcaggaacag actccacagc 180
ggtaggcaaca gagtgggcat tggcagaact catcaacaat cctaagggtg tggaaaaggc 240
tcgtgaggag gtctacatgt tgtggga 267

<210> 43648
<211> 272
<212> DNA
<213> Glycine max
<223> Clone ID: 701042631H1

<400> 43648
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aacttttcat ttttgtttaa gcttttgata ctgcaatatc tagcagttct atccatttct 120
caggaatttg atttcttcta ctttgttcag cagtggccag gagcatactg tgacacaaag 180
cagagctgct gttatcccaa gactgggaaa ccttcagcag atttcagcat tcatggactt 240
tggcctaact acaatgatgg atcatggccc tc 272

<210> 43649
<211> 264
<212> DNA
<213> Glycine max
<223> Clone ID: 701042650H1

<400> 43649
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gatgtgtggc attcttcagc tttctgatga agtcttggct cacaacattt tgtcacgctt 120
gacaccgagg gatgttgcac ccattgggtc tgtatgcagg aggatccgtc aattaacaaa 180
gaacgagcat gtcaggaaga tggatatgtca aaatgcgtgg ggcaaagaag tgacgggcac 240
attggaactg atgaccaaga agtt 264

<210> 43650

<211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042655H1

<400> 43650

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 attgagttct gatgttggtt ccttttctac caagtctaaa ggtggtccaa cttcatctgc 120
 cactgctcca ccaaaagggtc ttggaatgaa gcttggtaaa tctcaaagga caaatcagtt 180
 tttggaatca ttgaaagcag aaggtgaggt cattcttgaa catgttcaac caaaacttgc 240
 tcaggcagct gccccaccat cta 263

<210> 43651
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042658H1

<400> 43651

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 tgtcgttggg agcgaacaag ttccccgaga gacagccaat tgggacggcg gcgcagagcc 120
 aagacgacgg caaggactac caggagccgg cgccggcgcc gctggttgac ccgacggagt 180
 ttacgtcatg gtcgttttac agagcaggga tagcagagtt tgtggccact tttctgtttc 240
 tctacatcat gtcttaacc 259

<210> 43652
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042660H1

<400> 43652

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 gtgcttgaca cttttgtcat ttaaaatgga acttaatttt aagtaccaac ttagcctttt 120
 ctgtgtcaca ctgctcttac ctgccctgtg tacctctcaa gactctttta cgtgctccag 180

ttttggcacg aatcagacag aagcaaacac attgagagtt gttggaacat atggctatat 60
 gtcccctgaa tatgctatgg atgggaactt ctcaagtgaat tctgatgttt ttagctttgg 120
 agttctagtg ctggaatta taactgggaa aaaaaataga ggattctatt actcaaata 180
 agatatgaat cttctaggga atgcatggag gcagtggaga gatggcagta cattggaact 240
 cattgattca tc 252

<210> 43656
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042719H1

<400> 43656

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 gataggatac tgctgtgaag aagaacacag ggttttagta tatgaatatt taccaagagg 120
 aagcttgag aatcaattat ttagaagatt ctcgcatca ctttcatggt caacgagaat 180
 gaaaattgct gttggagctg cgaagggttt agcatttctt catgaagctg agaagccagt 240
 catctataga gatttc 256

<210> 43657
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042725H1

<400> 43657

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 tcgcgttctc gtcactggag ctgcagggca aattgggtat gctcttgctc ctatgattgc 120
 taggggagtg atgttgggtc ctgaccagcc cgtgatcctc cacatgcttg acattcctcc 180
 ggcagcagag tcattgaatg ggggttaaaat ggaattggtg gatgctgcat tccctcttct 240
 taaaggtggt gttgcc 256

<210> 43658
 <211> 254
 <212> DNA

<213> Glycine max

<223> Clone ID: 701042735H1

<400> 43658

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 ttctgactta gctcgaagat tggattctac ccagatcctt gcaaatacat ttctggaaga 120
 cccagaggca ggtgctgtga agcaagaaag tgagtgtctt aaacaagaaa atgtgcgctt 180
 gatgaaggaa attgagcaat ttcagtctga tcgatgttca gatcttgaag aattggtata 240
 tctgcggtgg ataa 254

<210> 43659

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 701042736H1

<400> 43659

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 tctgaaaaac ctgatttctt ctcttcttct cttctctttc gtttcgatct tcgatctctg 120
 aaaatgagag agtgcatttc aatccacatc ggtcaggccg gtattcaggt cggaacgcc 180
 tgctgggagc tctactgcct cgaacacggc attcagcctg atgggcagat gccaaagtgat 240
 aagacggttg gtgg 254

<210> 43660

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 701042738H1

<400> 43660

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 tctacgaatc cgcttcgggc tacagcctgt tcgaggttca cggcgtcgat gaaatcggcc 120
 agaacaccga agcggttcgg aactccgttt cggaacctca caggttcggc aaagtcgtta 180
 agcttcgctc cttcaaccct ttcacttccg ctctcgatgc tctcaaacag tgcaacgccg 240

tctccgaagg catat

255

<210> 43661

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 701042743H1

<400> 43661

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tctccaaggg gaagaagggt ggcaagaaga aggcagctga tccctttgcc aagaaggatt 120

ggatgacat taaggctcct tctgtttttc aagtgaaaaa tgttggcaaa accctcgtct 180

ctcgtactca gggtagcaag attgcttctg aaggactcaa gcatagagtg tttgaggtct 240

ccttggtctga t 251

<210> 43662

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 701042745H1

<400> 43662

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accaaggagt ggaaattggc acttagcaaa aagaggtgga agactcatat cgtttaaggg 120

tcgtgcgagg ctggtacata caacgtgccg aatctctgtc cctggggacct taccaagaac 180

tgatgaaaag gcctcatcta acatctcgag ggataagaag acagttccag aagcagatcc 240

tccgagtatc 250

<210> 43663

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 701042747H1

<400> 43663

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tcctggaacg atactaatag cacatggaac agccaaccaa accctaattc ttctcttct 120
 tgtgaggagg atatatctgt ttctacatct ttcactaatg cttccaacca ttcaagcctc 180
 actgttgagt cctcacgcag actcattgag ccacctgctc cttcctccaa cgagttgatg 240
 ggagaac 247

<210> 43664
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042748H1

<400> 43664

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 ttattgtgtg aagttgctat gccttggttg gtttgtggtg cttgtgagta ctattgcagg 120
 ggtggagagt gctggtgaat gtgggaaatc taccacccca gataatgagg cttataagct 180
 tgcaccatgt gcctcagcag cacaagatga gaatgctagt gtttctcaga gttgctgtgc 240
 tcaggtga 248

<210> 43665
 <211> 251
 <212> DNA
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<223> Clone ID: 701042751H1

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 attccaagtt cattgcgaga tcttctaaag cctggccctg caagtgttga aatcgatgat 180
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<210> 43666
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<223> Clone ID: 701042753H1

<400> 43666

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gctttcctca gggagctcaa ggatgaaggc tacctgagat gccttcggga tggaaatctc 180
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<211> 251

<212> DNA

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<211> 251

<212> DNA

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<400> 43668

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<210> 43669
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<223> Clone ID: 701042759H1

<400> 43669

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<223> Clone ID: 701042761H1

<400> 43670

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caaaaa 246

<210> 43671
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<223> Clone ID: 701042764H1

<400> 43671

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002220"ETTES0

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aatcagg 247

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<223> Clone ID: 701042775H1

<400> 43672

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<210> 43673
<211> 248
<212> DNA
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<400> 43673

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<211> 201
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<223> Clone ID: 701042919H1

<400> 43678

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<223> Clone ID: 701042935H1

<400> 43679

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<210> 43680

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<211> 197
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<223> Clone ID: 701042938H1

<400> 43680

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<210> 43681
<211> 198
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<223> Clone ID: 701042939H1

<400> 43681

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gatgccgaca acgtcatccc aaaggctgtc gaagccttca ggagtgttga aaaccttgag 180
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<210> 43682
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<223> Clone ID: 701042941H1

<400> 43682

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<210> 43683

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<211> 197
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<223> Clone ID: 701042944H1

<400> 43683

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<210> 43685
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<211> 193
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<210> 43687
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<223> Clone ID: 701042972H1

<400> 43687

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<210> 43689

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<223> Clone ID: 701043007H1

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<400> 43694

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<210> 43695

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<210> 43698

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<210> 43707

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<400> 43710

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<210> 43713
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<210> 43716

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 701043213H1

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tatttcggag ttttatcaga gaacaaatgg gatatttggt ggctcatggt gttgcagctc 180
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<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 701043227H1

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gacatttcag cctaccctc ggctgctcca tgaacttcca catctacttc cctccatctc 180
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<210> 43718

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 701043230H1

<400> 43718

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 ggaaatctac aacccctgat aatgaggctt ataagcttgc accatgtgcc tcagcagcac 180
 aagatgagaa tgctagtgtt tctcagagtt gctgtgctca ggtgaagaaa attgggcag 239

<210> 43719

<211> 168

<212> DNA

<213> Glycine max

<223> Clone ID: 701043237H1

<400> 43719

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<211> 167

<212> DNA

<213> Glycine max

<223> Clone ID: 701043239H1

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<211> 170

<212> DNA

<213> Glycine max

<223> Clone ID: 701043241H1

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 <213> Glycine max

<223> Clone ID: 701043243H1

<400> 43722

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 gtgccacccat tggtacattc tatgcattga ttcttgtcat gcttgtgttt atcctgtttg 180
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<223> Clone ID: 701043244H1

<400> 43723

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 <212> DNA
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<223> Clone ID: 701043259H1

<400> 43724

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aatcagattc gtgtccttcc tgactctttt aggatgctca ctgctttacg tgtc 234

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<211> 236
<212> DNA
<213> Glycine max

<223> Clone ID: 701043260H1

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agaaaaaaaag agaaaagaag aggcgaaatgg cagatcagag cgagcattcg aaaacggcgt 180
cgcctccgga ggaccaggac cgtcccgttc gagtgtacgc ggatggcatc tacgat 236

<210> 43726
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<212> DNA
<213> Glycine max

<223> Clone ID: 701043269H1

<400> 43726

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<210> 43727
<211> 163
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<223> Clone ID: 701043271H1

<400> 43727

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gccgaaagtg ttttgcattg gacccgtgat ttcttctgct cct

163

<210> 43728
<211> 239
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<223> Clone ID: 701043280H1

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aaatatctgc aagtttgcca agaagggttt gaccccgctc cagattgggtg tcattcttc 239

<210> 43729
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<212> DNA
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<223> Clone ID: 701043282H1

<400> 43729

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<223> Clone ID: 701043283H1

<400> 43730

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tggagcagga ccatcagggc tagtggcagc aagagagttg agaaaagagg gtcacagggt 180

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<223> Clone ID: 701043290H1

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 tggaactgga gggatcaaaa gtgtcaccaa ttatgccctt gtttatactg caatggctga 180
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<210> 43732
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<223> Clone ID: 701043294H1

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 aaagtttaca tgacattaga agtgggtcaaa acccttatga acaagcaatt tctattatcg 180
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<223> Clone ID: 701043296H1

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 ctttggcgtc gctcgcactt ttgcctcctt caatgatacc ttcattcatg tcaatgatct 180
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<210> 43734
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<223> Clone ID: 701043306H1

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<210> 43735
 <211> 274
 <212> DNA
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<223> Clone ID: 701043320H1

<400> 43735

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 aagaaaacaa accccaaact gtctccatca ctctctcgcc accggcaaga aagtcatcat 180
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<210> 43736
 <211> 271
 <212> DNA
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<223> Clone ID: 701043351H1

<400> 43736

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<210> 43737
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 <212> DNA
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<223> Clone ID: 701043363H1

<400> 43737

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<210> 43738
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<223> Clone ID: 701043376H1

<400> 43738

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<210> 43739
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<400> 43739

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<210> 43740

<211> 272

<212> DNA

<213> Glycine max

<223> Clone ID: 701043396H1

<400> 43740

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 agatggggat caaggacgat ctgctccgcg gaatctacca gtacggcttc gagaagccct 240
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<210> 43741

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 701043431H1

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 ttcaattatg gcacatttcc cacttcccat tattacttca gggccttcac tttctccatt 180
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<210> 43742

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 701043462H1

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 tataggatat ggctttgtga gtctccttac tcatacatga gacttcctgg tgactcgggt 180
 aggtttcaaa ttcaagcacc agctgctgct tcaccctctt ccaccaaccc taattcttct 240
 tc 242

<210> 43743
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 <212> DNA
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<223> Clone ID: 701043479H1

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<210> 43744
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 <212> DNA
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<223> Clone ID: 701043491H1

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 ttgcgcctac tcagaagggg ttagcccaac aaatctggga tttgataagc gcagggttcc 180
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<210> 43745
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 <212> DNA
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<223> Clone ID: 701043502H1

<400> 43745

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 caatccgtca atttactcaa acaggcatgt ttggattccg gttttttcta cgttgtcaat 180
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<210> 43746

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 701043505H1

<400> 43746

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<210> 43747

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 701043507H1

<400> 43747

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<210> 43748
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 <212> DNA
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<223> Clone ID: 701043520H1

<400> 43748

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 gactagccag aga 253

<210> 43749
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<223> Clone ID: 701043527H1

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<223> Clone ID: 701043541H1

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<223> Clone ID: 701043545H1

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<212> DNA
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<223> Clone ID: 701043549H1

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<212> DNA
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<223> Clone ID: 701043550H1

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<210> 43754

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 701043552H1

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<210> 43755

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<212> DNA

<213> Glycine max

<223> Clone ID: 701043566H1

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<210> 43756

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 <223> Clone ID: 701043577H1

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 <223> Clone ID: 701043673H1

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 <223> Clone ID: 700966907H1

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 aatcatcgcc gattccatcc acgtcaacca cgaagatggc gtcctcaagg gacacggaac 180

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<212> DNA
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<223> Clone ID: 700966908H1

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cggagcatag ccatgttggt ccctcgagga aattgatgat ttttcataac attgggggtct 180
cgttttgctt gtgggggtcac cttgaaggag ggaaaagtaa cgagctttgg ggctgaatcg 240
tggtgggtct gttgagtatg cat 263

<210> 43760
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 700966909H1

<400> 43760

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acctctctcc tccgccgcaa ccggtgggtc ccctccagca tcaaactgaa aacaaccctt 120
ttctcagaac tctccggcgc ggtgggtgac ctaggcacct acatcccat agttctagcc 180
ttatccttag tgaacaactt ggacctcacc accacactgg tcttcactgc tctctacaac 240
atcgccaccg gtctctctt cgcc 265

<210> 43761
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 700966913H1

<400> 43761

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 gcaaaacatt taaactcaat gtttttggat tactcagaaa gtgatctaga gtcacagat 180
 tacattggtg tgccttcaca taccaggtta gcttcttata tgtcctcgca taacaagaga 240
 caagcctttg gtacgtaata ca 262

<210> 43762
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700966924H1

<400> 43762

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 ctgagacatc cacacccaaa tggtttggtc agtaaagtct tccactttca tactctatct 180
 actagaacgg tgtcagggac tacaaagatg gtttctgatg tttatgttgg tggagtcaca 240
 agtttcagag tcaatagcaa ga 262

<210> 43763
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700966928H1

<400> 43763

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 atcccttctt ttacaagaag agttgtcccc aggtgcattt cattgtattt agagtcgtag 180
 agaaagtttc aagaaccgat acacgtatgc ctgccagcct cgtcaggctt ttctttcatg 240
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<210> 43764
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 <212> DNA

002220" ETTES60

<213> Glycine max

<223> Clone ID: 700966931H1

<400> 43764

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tcagtttatg catgtttgga tttcctttta ttttttccaa ttatataggt aacccttaaa 120
ttttcccttc agttttttga gtttatatat gtattccctg aatcgatcta acatgaatag 180
ctttctaagg gtactcttct cgggatgagg caaaccatth ttgagtttat atttgattcc 240
ctgaatcaaa ggtacccatc c 261

<210> 43765

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700966938H1

<400> 43765

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gtggttttgg cctggtacaa taaatcttcc atcggagttt tgctctgtat aggttcgatc 180
catcgttatt agcgtcttga tattgttatt ttcatttgte atataggtct ttcatagatc 240
tgatgcatgg aggctcag 258

<210> 43766

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700966942H1

<400> 43766

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ttcggcgctc agagacagta tccaacggtg atagaagagt tgtgccatcg attttctctc 120
gcagatctaa ggaaatcaac caacaatttc gatcaaaaca cagtaattga tcgtggagga 180
tgtggtagag tatataaagg ttgtctccag cacaatgaac atgcttctga tacagtcgct 240

gtaaagcgat tgggaatg

258

<210> 43767
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700966944H1

<400> 43767

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ggctctctcat ctctttcact ttcgacaaaa acaacttcaa atgctgctcc tatgatgaat 180
ttattggatg gttttgcccc cagcccgcga acagaaaaca atggatcggg ttatccatca 240
gtaactgcat ttgagagc 258

<210> 43768
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 700966945H1

<400> 43768

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ggggcgggtg gccgaactga tgttcctcct gccaacagga agtcagaggt tgaccctttg 120
aagcgggtgc catttgaaaa acctccattt agtctcagcc aaatcaagaa ggtcattcca 180
cctcactggt tccagcgttc tgttttccgc tcattctcct atgttggtta cgacctcacc 240
atagccttct gcctctat 258

<210> 43769
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700966960H1

<400> 43769

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002220.ETTES6

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caaaagatgc tgacactatc atcccaaaga ttattggggc catccaaact attgaaatcg 180
ttgaaggaaa tggaggaccc ggaaccgtca agaagataac agctagtga ggtgaccaa 240
ccagtttcgt gctgca 256

<210> 43770
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700966968H1

<400> 43770

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ccatgcagct ttaccgtgct ttttaaggat ttgggtgtga tacaagtgt gttatcaata 120
tacttgctca tcgagatgct acacagcgtg cctacatcca gcaagaatac aaagcaatgt 180
attctgagga actttccaag cgcttagctt cggagcttag tggaaagtta gagactgcag 240
ttctgctctg gttgca 256

<210> 43771
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 700966969H1

<400> 43771

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tcctggaact gcatcctgga gcaatcaaca gcatccccag caaatctcac ctagaaattg 120
acacaagaga cattgatgag gaaagaagaa ataaagtggg tgagaaaatt catcaatcag 180
caattaaaat aaccaaaca cgaggtgtca agctctctga tttccgtgtc atcaatcagg 240
atccaccagc catttc 256

<210> 43772
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700966974H1

<400> 43772

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 ttttctgttg ggatcaatcg ctgctttcta cgtactcacc gtgccttaca ctaaggctga 180
 agagagtttc aacgttcagg caatgcacga tattctctat caccggctga atttagacaa 240
 tgtgctttgc ttg 253

<210> 43773

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700966976H1

<400> 43773

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 gggcgaggga tccgatccgg tgattctggc aaacgcttcc gatgtcagcc acttcggcta 180
 cttccagcgt tccagcgta aggaattcat cgttttcggt ggtcgtacag tcgccagtcg 240
 cactcctcag ggc 253

<210> 43774

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700966979H1

<400> 43774

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 tcgtttctcg caaagttaa gtaatcatgg gtaaggaaaa gggtcacatc aacattgtcg 120
 tcattggaca tgtcgactct gggaagtcaa ctaccactgg tcacttgatc tacaagcttg 180
 gaggtattga caagcgtgtg attgagaggt tcgagaagga ggctgccgag atgaacaaga 240
 ggtcattcaa gtat 254

<210> 43775
 <211> 260
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700966981H1

 <400> 43775

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 ttcaactatc tgaatctgaa ctcatccact cactcgttag cgctgctaga acgaaaactg 120
 agtaatggaa agtggaggga actcccttcc atcagggcca gatgggtgtga agagaaaggt 180
 ttcatatttc tatgatccag aggttggaaa ctattattat gggcagggac acccaatgaa 240
 acctcatagg attcgaatga 260

<210> 43776
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 <212> DNA
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 <223> Clone ID: 700966987H1

 <400> 43776

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 tcgattcatc gcac 134

<210> 43777
 <211> 253
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 700966992H1

 <400> 43777

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 gcctgaatag ctcaaaactg aaagagcgca actacatggg gttatctgat tgttcactctg 180
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ctgagctcag act

253

<210> 43778
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 700966993H1

<400> 43778

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ctcatttctt cgatcttggt catgtgctgt attcccgtaa cttgggaaac cgaaaatttg 180
tggacagcaa tgctgagggg tcttatgagg gaagcttccg ccaaagatgg cttatatattcg 240
tctctgtggt g 251

<210> 43779
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 700966996H1

<400> 43779

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cttccgttac aaggaaattg agaatggaat gctgtgggaa gttgagggga agtgggttgt 180
taaaggagca gttgatgtag acattggtgc aaacccttct gctgaggggtg gaggagaaga 240
tgaggagtt gat 253

<210> 43780
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 700967002H1

<400> 43780

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<210> 43781
 <211> 263
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700967003H1
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 actcttgagg gcaagcgtac atctatgcac accacggaat atatgtcggg gatggaatgg 180
 tgatccactt taccagagga gcagggtcaag aaattggaac aggaactgtg ttggacaatc 240
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<210> 43782
 <211> 261
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700967006H1
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 tccgcttccc tccgatccat tcactccctc cctcttaaaa cctccttgcg gatcaaagtc 180
 tcccaaacag atgggaatgg aagtcttgca aagaggacag tgcttcatga tctttatgag 240
 aaagaagggc agagtccatg g 261

<210> 43783
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700967010H1

<400> 43783

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aggaatattg tggacatgcc tggaaacggc gacgttccgt ttactcacgc gaatattagt 180
tcggcccgga gagaactcgg gtacaagccc accaccgatt tgcaaaccgg gttgaagaag 240
ttcgtcaagt ggtacctttc 260

<210> 43784

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700967021H1

<400> 43784

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tatgatgttg gtatgaagaa gaaggggtgtt gatgagtttc ctttctgtgt ccatctggtt 180
agttgggaga aggaaaatgt ttcaagtgag gccctggaag ctgctcgcat tgcttgcaac 240
aagtacatgg ccaaattt 258

<210> 43785

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700967025H1

<400> 43785

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agcgaacaag ttcccgagga gacagccgat tgggacggcg gcgcagagcc aagacgacgg 120
caaggactac caggagccgg cgccggcgcc actggttgac ccgacggagt ttacgtcatg 180
gtccttttac agagcagggg tagcagagtt tgtggccact tttctgtttc tatacatcac 240
tgtcttaacc gtcatggg 258

<210> 43786
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700967026H1

<400> 43786

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 tgatgcactt gaccagatta gtgagcccaa gaggcctctt gacaagcccc ttaggcttcc 180
 ccttcaggat gtgtacaaga ttggaggtat tggaactgtg ccagtgggac gtgttgagac 240
 cgggtgtcttg aagcctgg 258

<210> 43787
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700967029H1

<400> 43787

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 aattgtgctt caaatccgtt gtgcccctcc atttgagttg attgatcagc cattggattc 180
 tcatcctcac tcacttgctc catttcagct acatcaacag aatctccagt cttttcagat 240
 gcttcatgtg tgattttctgg 260

<210> 43788
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700967030H1

<400> 43788

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catctttatg atgttgtcaa cacccttggt gtcactgctg atgttagcca catggacact 180
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<210> 43789
 <211> 263
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700967031H1
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 cgctgaggaa tattatgtga aggataagca aacagctgta gttgaaaaac ctgttgaggt 180
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<210> 43790
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 700967036H1
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 atcccggtt attgg 255

<210> 43791
 <211> 257
 <212> DNA
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 <223> Clone ID: 700967047H1

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 aaatggattg taaaggggtga acgtcaaaga cccctatat atctttctgt agatgaaggt 180
 ttagtactgt cagctctttt gactgctggt agaacctata attctgatct gctagtggca 240
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<210> 43792
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700967059H1

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 agaaaaaaga acgaggactg cccagaaaag agcgtttcaa aaacgcggca gagaagcagc 180
 gtgcaacagc aggaacggtg tgcgctggtc gacatatcga acgattcacc gatcgcgggg 240
 ctggcgaacg gga 253

<210> 43793
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700967061H1

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 tccaaactgt gccagtgaag aggctgtgca gaacccaaaa catactcaca gtaaattgggc 180
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 atgctggacc atac 254

<210> 43794

<211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700967073H1

<400> 43794

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 aacggatatt aaagacacct ctaaagaagg atatagtttt gaagagatat gcatcaagaa 180
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<210> 43795
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 700967078H1

<400> 43795

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 cactaatgca aaaccatacc tcttaatgat tggcttgcaa tttggcatgg ctggaaatta 180
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 aaatgctatg gc 252

<210> 43796
 <211> 249
 <212> DNA
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<223> Clone ID: 700967083H1

<400> 43796

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 ttcttcttct actgtgttgt gattccccctt acaatcttgg tcccagaggt tcatgttcca 180

atctggggag ctgtttatat tccttctgtc atcaccattc tcaattcagt tggaacacca 240
aggtccatt 249

<210> 43797
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700967084H1

<400> 43797

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gacccttgcc gtgctggttt tgagacctca gcaaccacct acattgccgg tgctgagatt 180
atgttgcaat gcaagagcag ggtagcaac gaggttgtgt acaccaagaa ggggtacact 240
gactcaa 247

<210> 43798
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 700967089H1

<400> 43798

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agttagtctt actgtacaaa caccagcagg gaattttgct actcctgttt ctatgaatgt 180
tcctgtgctt aacttgtcga gtccaccagc cattgcatca gtcatgcctg gttcaaattc 240
tgttcag 247

<210> 43799
<211> 256
<212> DNA
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<223> Clone ID: 701043676H1

<400> 43799

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 ggtgacgctc aacatgaaga tggtgaaatt gctgttggga atgatgagga atccaaagcc 180
 ccacagaact tggatgttac tggtaagag gcattacaag gtgacaaaac tggaaacttta 240
 gaagagaatc cggatc 256

<210> 43800
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043678H1

<400> 43800

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 tcatcacaag aagggtcatg tggcattcag aaccaactat gaggattcta tagctgaagt 180
 agaatccaac gttgaggctc gagaacataa cagcaggtta tggactcaca gtgcttacia 240
 aagcgtggac caagag 256

<210> 43801
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043679H1

<400> 43801

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 tctcaagcag gacttcccag gccctcacg cccctccatc aagggtggatc ccctcatcaa 180
 gatgccactc cacagatcat catcctcgga gaaatcaaaa aagagggttgt ttcacactgc 240
 tgtcactg 248

<210> 43802
 <211> 256
 <212> DNA

<213> Glycine max

<223> Clone ID: 701043681H1

<400> 43802

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 cattacattg acttttggcc cagagcaaag gcacccggag gaagaggcac ttcttcacc 180
 accacagaat aaagaagcag ggaaatctca gctggattct gatgaagtga tactgagcga 240
 gttggaagat gagaag 256

<210> 43803

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 701043682H1

<400> 43803

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 cccttcggag accataacaa agcctaagaa aaaggacgag aagcccagaa tcagggcgaa 180
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 cagttccaag ta 252

<210> 43804

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 701043683H1

<400> 43804

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 attaagaagc attctgagtt cattagctac ccaatttctc tttgggttga gaagactacc 180
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gaggatgttg atgaggag

258

<210> 43805
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 701043684H1

<400> 43805

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tctctcttc ttccttttca gatctccgct gaggaatcct cggagaagga gttcgtactc 120
acattggatc actctaactt tcacgacact gtcagcaagc acgatttcat cgtcgtcgag 180
ttctacgcc catggtgtgg tcaactgtaag aagcttgctc cggagtatga gacagctgct 240
tctatcttga gtagtc 256

<210> 43806
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 701043685H1

<400> 43806

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tatggatggg cagctaggga tacatctggt gttctctccc ctttttggtt ctctagaagg 180
aaaacagggg agaaagacgt gacatttaaa gtgttgatt gtggagtatg cactcggac 240
cttcacaagt tgaaa 255

<210> 43807
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 701043686H1

<400> 43807

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0022E0"ETFE560

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ggtttgaaca gcaattagac ttctatatga actgaagttg tttctctata agtatttgga 240
gtccatttat tatcaaa 257

<210> 43808
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 701043687H1

<400> 43808

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atatggaatg gaggaagtgc tacttggatg tgatattggt gcccttggga tttctaacaa 180
gcattgggta ccatttctgg ctatggcaca aggttcgaac tcagccacac acaaccatca 240
ttggcatcaa tgctagt 258

<210> 43809
<211> 254
<212> DNA
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<223> Clone ID: 701043688H1

<400> 43809

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aagttaaggt ttttggagct gaagacaaag aggacacacc gtttcatagt ttttaagatt 180
gaggagcagc agaagcaggt cattgtggag aagcttggtg agccagccca aggctatgaa 240
gatttcactg ccag 254

<210> 43810
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 701043689H1

<400> 43810

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 ttgcatcttc aaaatgctcc taaaagccct agctctctct cctttttgct ctccgtgcga 180
 gaaagtagat cagatgccgt tgttggtcag agcaagggtc gatcgtcttt ttctcaaaca 240
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<210> 43811

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 701043690H1

<400> 43811

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 gaaaatcaaa atcgttctca gatctatctc aaatgagtaa tttgagtaat ctgaaggagt 180
 tgcaaaagca agagagtcct ttcaacaaga gaagaagggt tttgattgca tccaagtgggt 240
 ccagaagatc atctt 255

<210> 43812

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 701043691H1

<400> 43812

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 cttcttattt ttctgaatct cgcggcggtg ttctttctgc tgctgcggct gtggttccgg 180
 cggcgatggg acagcaatcg ttgatctaca gcttcgtcgc tctcaggctc aagatttcag 240
 gcagcagggg acca 254

<210> 43813
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043692H1

<400> 43813

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 atatggacga actaagctta tcattgaaga aatttgcgt gatgtccacc gtgcagagcc 180
 agattggaaa ataatttgt taagatactt caaccagtc ggtgcacacc ctacgggttg 240
 tattggggag gatccc 256

<210> 43814
 <211> 234
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043693H1

<400> 43814

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 ctctgcaaag gactaccatg atctctctcc agcaccgttg attgatgctg aggaactcac 180
 acagtgttcc ttctacaggg ctttgattgc tgagttcatt gccacaatgc tctc 234

<210> 43815
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043694H1

<400> 43815

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 tcgccaccgc catacgcggc gccatcattc tcgcaaagct ctctgttatt cctgtgagga 180

acaaaatggg aacgcttttaa gctttatata cggtagcaaa cagttgaaaa caaagggggg 60
 tctggcggtt agaactgcc aagcaacgt gttctgtagt gctgggttaca agtgtgcaat 120
 gagggcactc caatcccaat gctgcagccc ggatgaagtg atatttggtc ctgatttttt 180
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 atcttcacac tttg 254

<210> 43819
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043644H1

<400> 43819

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 ctcttcgcac acagccttcc tttctagggt ttcacccaat tatgaactgt gaagtgtgcc 180
 agctcaagga cattgtactg gagcatgttg agatacgcgc ggtcttgcca tgcattttgc 240
 acacgatcga ctttcaccgt g 261

<210> 43820
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043645H1

<400> 43820

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 aaagtataaa agttatcttg atgaatggga atctgaccca aggggtcaa atgcgtactggt 180
 tgatagcagc tcgcctcgag ccttttgccg tggtatggat attaaagggg ttgttgctga 240
 aatacaaaaag gacaa 255

<210> 43821
 <211> 257
 <212> DNA

<213> Glycine max

<223> Clone ID: 701043646H1

<400> 43821

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agaaggggtt tggattcata acccctgacg atggcagcga ggaactcttc gttcaccaat 120
ctcagatcaa atctgacggt ttccgaagcc tagctgaagg agagtccgtt gagttcgcta 180
ttgaatctga atctgacgga cgcgccaagg ctgttgatgt cactggcccc gacggcgcca 240
ggtccaggga accagac 257

<210> 43822

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 701043648H1

<400> 43822

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cagtgagttg cactgctacc gacccaaacc ttaactacaa gccgggtgac ggactcctga 180
cccaccccg cgacgggtgcc tctggccggc tcagcaacgc caccgggggt tcttacatcg 240
ccgcctccta cgttaaattc 260

<210> 43823

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 701043650H1

<400> 43823

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cttgctgcaa aggttctctc ttagcatggt aacaatgggt ttgaaagcac tttttgtttg 120
gtgcataata tggttggcgt ttgcacagtt gtcactagga ggaagagtga ggcattacaa 180
gtttcatgtg gagtacatga tcagacagcc agattgcttg gaacacgttg tgatgggaat 240

caacggccag tttccaggc

259

<210> 43824
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 701043651H1

<400> 43824

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agcttgctct tccaactggg aatccaaata cttcatccaa gcaagttctc actcctceca 120

aagatgccac ctctaaatgg ctctggcaac ttggcaaagc acatgtttgc tccaatgatg 180

ctgggtgttca tacacttggtg caccactggg tacgtataca tgcttgcatg gaaccgttga 240

taattgcaac tcatcggaac tt 262

<210> 43825
<211> 72
<212> DNA
<213> Glycine max

<223> Clone ID: 701043653H1

<400> 43825

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aagaaaattt gg 72

<210> 43826
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 701043654H1

<400> 43826

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ccaggaattc ggtccccacg atgctcaact cgacctttcc caaggaactc caaggttcta 180

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002250"ETFE50

gactcagtgc ctcgggtcta

260

<210> 43827
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 701043655H1

<400> 43827

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cattcgacca ccaaacgcaa gctcccatgc ccgaagctac atttccaaac gacactgcgc 120
actgatgtgt cccacctcgc tcctcttctt gatccgttcc tgttccgtct ccgttcacgc 180
tatctgatga ataggtggat gactatgaag aacctcatgc tagaggacac gggaatacca 240
cgctctgata ggatgtgaca 260

<210> 43828
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 701043656H1

<400> 43828

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acgacagtac attaaccgcg aaactccaaa ataccctctc tctctctctc tctctcacca 120
accactatgt tgcagagacc tagacgccgt tgcgagggca ctgccatggg cgccatcggt 180
ctcgatctcc gtcccgggtct cggaatcgga cccttctccc tcgggatgcc tatatgtgaa 240
gcatttgctc agatagag 258

<210> 43829
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 701043657H1

<400> 43829

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 ttgcttctgt ttgaattgac acaggactat cggattgttc taccacttct tggagcagta 180
 ggcttgctgt catggatttc atctgtacag acaaaaagag gagatgatgg aggggcaaaa 240
 caaattgagt tag 253

<210> 43830
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043658H1

<400> 43830

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 gtccaatttt gctaggggaa gaaatcgaag tagtgaagac taaagacaaa tattgctatg 180
 ggtacaaacg gcaaggaggg aggatctggg gtaacatata aagacatggg ggatgatgaa 240
 gctcaggaca ttaag 255

<210> 43831
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043659H1

<400> 43831

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 ggttctatgg cattctagct tccctcggtc tctggcagaa agaagccaaa attctcttcc 180
 ttgggtctga taatgcaggg aagaccacac ttcttcacat gctcaaagac gagagattag 240
 ttcagcacca gccga 255

<210> 43832
 <211> 259
 <212> DNA
 <213> Glycine max

<210> 43835
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043666H1

<400> 43835

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 ttgtgtgaga gggttctcac ccttcacact ccacctccta aagtttgctt atgctttagc 180
 tattggcttc tctaataaat aaccacaaaa gggatgaca catggaggaa catagttctc 240
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<210> 43836
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043669H1

<400> 43836

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 ttctcccaaa tgcttctcct cgctcctctc cctcaccctt aactccaaac ccatttccat 180
 ttccgccgtt ttctcaaaa caacgctgtc gtcgtcgtcg ccgttgctgc tgcgtctctg 240
 cttcgttccc catgtctctg 260

<210> 43837
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043670H1

<400> 43837

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acggcgcggtg tgttcgcgga caaggcacgc gtatggtggt gctcgagac atccaagacg 180
 agcttgggaa tcaggtggct gcgtccattg gaaccacgcg gtgcacctac atccactgcg 240
 acgtggcaga cgaag 255

<210> 43838
 <211> 258
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701043671H1
 <400> 43838

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 tcttcaattg ggtcaccttt tctgcagtta ggctccttctg caagtgcagc atgctctgtt 120
 tccaaacttg gttttcatcc accacgcttg caactcaaca aaaattcaca cccaataagg 180
 ctttttgttc gggctgctag aattgagtcc aaaggtgtta ccttgggttt caggacccca 240
 caatttcagc ttccggag 258

<210> 43839
 <211> 257
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701043672H1
 <400> 43839

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 cggaacgatg cgccaccacc aaggtcgtca aatctcagtg cagaacagag gaggtcgaaa 120
 ctggaaagtt cgtcagaaag tgcgagaaaa ccgaagagat tctcaggaat tgcacgga 180
 agcccgccga agtggtgcaa tcaaacaag agtatactga agaggatatc acagatgaag 240
 tacttaaagg aaggtct 257

<210> 43840
 <211> 257
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701043674H1

<400> 43840
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 cgtatggaca tgttgagaag ctagctagag agatagaaaa aggggctgct tctgtggagg 120
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 tgggagtcac tccaaagagt gatgttccaa ttattactcc caatgagctt cctgaggctg 240
 atggcttttt gtttggt 257

<210> 43841
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043643H1

<400> 43841
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 cacccttggt cgaccagag gagctcacac agtggtcctt ttatagagcc ctaatcgctg 180
 agttcatagc aacccttctc ttcctttatg tcaccgtgct caccattatt ggctacaaaa 240
 ggcagactga tgccacgct 259

<210> 43842
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043612H1

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 attgcagccg agtatgctgg cgtccaagtt gattttgccc ctaattttga gatgggtgct 180
 tccaataaaa ctctgaatt tctcaagatc aatcctattg gcaagggtcc tgtgctggaa 240
 acccccgatg gtccaatatt cga 263

<210> 43843

<211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043613H1

<400> 43843

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 ccattctctc ggtaacgccg tgaaatccga aagcggcggtt acctataaca ataacaacaa 180
 ccaccaccac caccacatta acaacgttgt tatgactccc acgtcgagaa agcgttcccg 240
 agataacagc aacaattacg gtt 263

<210> 43844
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043614H1

<400> 43844

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 tcatcatcaa taatggcgga gttgttgga aaggccaaaa actatgttgc ggagaaagtc 180
 accaacaatgc ccaagccaga ggcgagtgtc accgacgtgg acttcaagcg cgtgagccgc 240
 gacagcgtcg agtacttgg 259

<210> 43845
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043615H1

<400> 43845

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 gtcaatatga ttctcaggaa aactttgcag cactagacaa gaagctgaag gaacatgagg 180

gtgggagaac ttctaatacgc ctgtttttatc tttcaattcc tcctaataata ttcataagatg 240

ctgttaaatag tgcaa 255

<210> 43846

<211> 279

<212> DNA

<213> Glycine max

<223> Clone ID: 701043617H1

<400> 43846

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aatggacgcc gagaagctgc gagataagat tgccgagaga acaaagaaga aggttgatat 120

catatcagct ccgccgaaa aagaagccgc cgttgcggaa aaaccgccgg agaagaaggc 180

agaagacaag aagcctgagg agaaaaaacc agaagaaaaa cctaaagaga gtacgggtggt 240

tttgaagatc aaactacact gtgacggttg cattgcgaa 279

<210> 43847

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 701043618H1

<400> 43847

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tggaagatgc gctgactcag ttactttccc ctgaagattt ggatggagag aatatgtaca 120

gatgtggaag gtgcacatca tatgttcgag ctagaaagca actgagcata catgaggctc 180

ctaacatctt gactatagtt ctgaagagat ttcaggaagg aagatatggg aaacttaaca 240

agtgcataac ttttcctgaa at 262

<210> 43848

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 701043619H1

<400> 43848

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 ctacatgtcc atgttgacaa caaaataata aaatgagaat acgttttggga catgaagaag 180
 agattcaaat tggttgcgct ttttaattaga ttttagcatg agaatgttgt gtagcactgt 240
 aatggtatat ttccatgagt atgt 264

<210> 43849
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043620H1

<400> 43849

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 actctgggaa gtcaactacc actggtcatt tgatctacaa gcttggaggt attgacaagc 180
 gtgtgattga gaggttcgag aaggaggctg ctgagatgaa caagagggtca ttcaagtatg 240
 cctgggtgct tgacaagctc aag 263

<210> 43850
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043622H1

<400> 43850

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 gtacttattg tgtgaagttg ctatgccttg ttgggtttgt ggtgcttgtg agtactattg 120
 caggggtgga gagtgctggt gaatgtggga aatctaccac cccagataat gaggcttata 180
 agcttgcacc atgtgcctca gcagcacaag atgagaatgc tagtgtttct cagagttgct 240
 gtgctcaggt gaagaaaatt 260

<210> 43851
 <211> 263
 <212> DNA

<213> Glycine max

<223> Clone ID: 701043623H1

<400> 43851

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 ttgcttctcc cttggacaac aacaagccac cacaggggtg tttgtctgag agaactggct 180
 ctgggtgttcc caaattcaag. tccacaccac caccttctct gcctctctct cccctccca 240
 tttctccttc ttcttacttt gct 263

<210> 43852

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 701043624H1

<400> 43852

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 gtccttgaag aggacagtga tggatgcagt gactgctgtg cttggaggtg aattgcacat 120
 tgggtgtttt ctccagggaa aacaagttaa ggatgacagt aaaactctac ttcaaactgg 180
 aatttctcat cataacgagt tggatgcttt gggtttcacc ctggagccta attcttcaca 240
 aagcctaccg attgtatgtg 260

<210> 43853

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 701043625H1

<400> 43853

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 gttgtttatg gaaaatcgaa attaaaacct ccaattttat tgtattttca cgttgggttc 120
 tcgtactcat aaaatgtttg tttttacata tcgtaggcaa tgaatgcatg tatttgacaa 180
 ttgacgggat cattttacaa cactataagt tggcctgtat gtcgttaagt tgttgctgtt 240

0053113.032200

atctacatat tcatgtaatg aa

262

<210> 43854
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 701043627H1

<400> 43854

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ctccctctgt ctctctaata ggttcactcg aggccccaac cgccgcggaa aacggttccg 120
ctcccgcgcg cggaacgga aaatccccct ccgtcaacgg cgcgaggcg gcgctggagc 180
ccgacgcacg gaagcggcgg agatcgtcgg tgctcccact ggaggtgggc acgcgcgtca 240
tgtgccggta gcaggac 257

<210> 43855
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 701043628H1

<400> 43855

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tttcgcacca aacgccctgc acgtcccca cactcaccct cgggtgactg agatccttat 120
agtccttgag ggtactctct atgttgatt tgtgacttcc aatcaagatg gaaatcgctt 180
cttcacaaaa gtctgaaca agggtgacgt gtttgtgttc ccaattggtc tcattcattt 240
ccaactcaat gtgggatatg g 261

<210> 43856
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 701043629H1

<400> 43856

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ggcatacggc gtcgacatga aaccacccca ccaacacgtt ctccaactac gccggcgggcg 120
 caacggcgcc gtcgagagat tctccagcta ccgcgataag gccaacgtcg gagccgactc 180
 cttcacctcg tacgccaagt ccgccaacgc cgccgacatc ggattctcca actacggcaa 240
 gtccttcaac gagggaaccg aca 263

<210> 43857
 <211> 257
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701043630H1
 <400> 43857

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 tgattaacaa caagatgctt aacaaggaac atgagcgggc agaagattcg aaatcagtta 120
 cgggtgccagg tgcagctgct taagttttga ggggttggtga tgttcgggagc tctaaatgtc 180
 atttgagtac atggatttga gattgtttaca ctttttccta tttctgctag ggtagagta 240
 cttacaccta acatggc 257

<210> 43858
 <211> 262
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701043631H1
 <400> 43858

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 ccctaatacga gttcgattgc aaaacatctc agtttttgaa ttccaccttc tccgaccaat 120
 ggctgccaaa cctcttacta ccgaggcgat tgcgcttacg gaaaagaaga tggccatgac 180
 actagatgac ataatacaaaa tgtctaacaa cccgaagatt aagaagcaaa gaagggttcc 240
 gaacaaaagt tccaaatttt ca 262

<210> 43859
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043632H1

<400> 43859

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 gggttttttcg ttgtttcgtg ttcgagtttt cgtgcatttg gcttgaactt gtgctgatct 120
 attctgtttc ttcgtcatgg caaccggaca actattctcg cgtactacac aggccttggt 180
 ttacaactac aagcacattc ccatccagcg gatgcttgat tttgacttcc tttgcggcag 240
 ggaaacacca tcagttgctg ga 262

<210> 43860

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 701043633H1

<400> 43860

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 tgatttggtc tagtagtgct cagggaccac cttcacctgg ctactacccc agttccaaaa 180
 ttagtcctgt tagtttttat caagggttta gaaacctatg gggacctcag catcagaggc 240
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<210> 43861

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 701043635H1

<400> 43861

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 attatttgcc cattcataga gaagctcccg cttttgttga gcaagaaacc gcacagcaga 120
 ttcttgttac tggaatcaag gttgttgacc tgcttgacc atatcaaaga ggaggaaaga 180
 ttggggtggt tggtggtgct ggtgtaggaa aaactgtgct tattatggaa cttattaaca 240
 atgttgcaaa agctcatggt gg 262

<210> 43862
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043636H1

<400> 43862

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 tatctcagtc tcgccctaac cgataccttc actgctttcc aaaacctctt accggatgcg 120
 atgacttcct tttcagcttg tggactaata gacctcttt gttctcaaaa ctcactccc 180
 aagcattcca ccatcactgc aaccattgat tctcagtcac cgatttgcg cactagtaat 240
 gttgggagcc cagtctcagc taa 263

<210> 43863
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043637H1

<400> 43863

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 aacgacctgc cccagctccg aatcgcttcc gccgccgccg ccgatgccgt cgtcaaaacc 120
 gacgacctcc cctccgacga tgacgaccgc aacgccgtct cttccgtcat cactcaaacc 180
 gagaccgaaa ctgacggagc caccatcgtc gacgtcgccg tcgccgtcgc cgtcaacgtc 240
 aacgtcaacg tca 253

<210> 43864
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043640H1

<400> 43864

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 tacttttttg taggtactga ggaagaaaga ccaagacttt atccgtgtgc ttcacttagc 120

0953113.032200

tcaagagcgt acaattcagg caaaggcctt gaagtcggag tgtgttaagg tttcttagga 180
gttgctgctg tcttgactga agaaatggag gtatatggca aatctatggt tgcaggctct 240
gcaaattgtca tttttctgt 259

<210> 43865
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 701043611H1

<400> 43865

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caaagtcctt gatgctcaga tcataactga gttccctcct attaggggtgg ggattgtctt 120
ttgtgggaga caatctcctg gagggcataa tgtcatttgg ggtatccaca atgctctcaa 180
aattcacaat cccaacagtg ttttgcttgg acttcttggg gggtcagaag gtctatttgc 240
ccagaaaact ctggagataa ct 262

<210> 43866
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 701043574H1

<400> 43866

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ctaattccatg gagactttgc accgtgacct aggtggagga attgaaaatc ttgatctgcg 120
tgtttccaat ttggggccacc aggatcattt ttgctgcagt ctatgccag atgtcaacat 180
tgtttatgga gcaaggaaca atgatgaaca catgcattgg ttccttctaa ctacctctct 240
caacttt 247

<210> 43867
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 701043575H1

SECRET

<210>	43868
<211>	248
<212>	DNA
<213>	Glycine max

<400> 43868

<210>	43869
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<212>	DNA
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<400> 43869

<210>	43870
<211>	239
<212>	DNA

09531113.032200

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701043579H1

<400> 43870

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tcatgtgtgg tgtcgtaagg cgaagggttg cttctggcag cccgtctcct tggttgctag 120
gtcagtcagc tcagaaaatc cggctctggcc catcagtttc tgctagagct tcttccattg 180
tggaaaaaga gattgtatctt cggtcaggcg gatgtggatt tgtccagaac ttcagtcac 239

<210> 43871

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 701043580H1

<400> 43871

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ttcaagttcg aacagaggca cgggaaagag cgcgtagagag tggcgcgcggt gtggaagacg 120
aggcaggggc agcacttcgt tgtggagtgg cgcgtagggca tcaactctctt ctcagactgc 180
gtcaactcgt atctccgcga tgacaactct gacatcggtg ctactgatac catgaaaaac 240
acagtgtatg c 251

<210> 43872

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 701043582H1

<400> 43872

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ttgcttttga tgaggaaaac tcttccaccg tggctccggc aacactctac aaagctctga 120
caaaagatgc tgacactatc atcccaaaga ttattggggc catccaaact attgaaatcg 180
ttgaaggaaa tggaggaccc ggaaccgtca agaagataac agctagtga ggtgaccaa 240
cca 243

002230-032200

<210> 43873
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 701043583H1

<400> 43873

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attctctatt ctaaattctt atctaagcta acgatgatga tgaattagaa attcgtgggt 120
tccctaaacc aaactcgatt caccctctca ttttctgaat ttcaatggcc gatcactcag 180
attcttctcc tctcgttctt ccccttcccc tcaccgaccc ttctgagatc gacctcgaag 240
ctgg 244

<210> 43874
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 701043584H1

<400> 43874

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ttctcgttct ctccatggct tcgtctctct tcaaggtggc gaggagcaaa cgcgttacga 120
caccgatcac ttggagctct tcaggcaaga gagttacttc gcttacttgt ctggagtcac 180
agagcctgga ttctatgcag ctattgacgt tgcaactggg aattctatcc tatttgctcc 240
taggt 245

<210> 43875
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 701043585H1

<400> 43875

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aaggacgcta tataaatata tttgtcccg atgctctcta tttcagccac tcgtatatcc 120

002250"ETTES60

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aatcccaacc gcaccctctt ccgtcccttt cttcacactt ccttcaaacc acttccctcg 240
tctttctc 248

<210> 43876
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 701043586H1

<400> 43876

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aaacaatccc tcttcccttg aattattttc atggcttata atccaccgcc gttctacttg 120
tttctctcat cctccttctc tcccaattcc ttccacatct tacttttccg tcacattcgc 180
attcaatcct gtaacacttt ctgacgctta gcaggtagga ccaaactcaa cagcgtagga 240
gccgtta 247

<210> 43877
<211> 91
<212> DNA
<213> Glycine max

<223> Clone ID: 701043587H1

<400> 43877

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tctacctcca ccttctccct aaagacccat c 91

<210> 43878
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 701043589H1

<400> 43878

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ttactatatt cttctctctg cgcttctttt caggcaattt ccatcttcca tgatccaagg 120

aagggtttcat ctatctttct tgcaaaataa acatttgttt gaatttccat tggtcagctc 180
 aaacctctgt tgttttttct cttttgtttg gtgggtaccc actgaacatg gcaactgaag 240
 ctg 243

<210> 43879
 <211> 247
 <212> DNA
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<223> Clone ID: 701043590H1

<400> 43879

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 acatcaaaac aactgggttg gtccttgta tggcttcttc ctcagttggt agaagagcta 180
 catattcaac acaatctgta tcgacaaatg agccagttgt atctgtagat tggctttatg 240
 ataacct 247

<210> 43880
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043592H1

<400> 43880

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 tggggttccc atcctcaaag gcataaatct tgagatccca gaggggtgtga tcgtgggagt 180
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 gccacc 246

<210> 43881
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 <212> DNA
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<223> Clone ID: 701043593H1

<400> 43881

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gcggttaaga gtggatggga tgagtatggc ataaaatttg ggtggccac caaacagcta 180
gtgataagaa ggctaacatg catctacca tacagtgcaa ccattgcctt gggaagtgag 240
atgtcagg 248

<210> 43882

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 701043594H1

<400> 43882

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ctcattgaga agatgggtgg aatgcagcat ttgttgaga tgggttcagg tgaaaagtct 180
gcaagatttt gttgtatgtc aaatgttatt tgtattatta taagaatata ttgggggtgt 240
ttagttg 247

<210> 43883

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 701043596H1

<400> 43883

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ttggaagcac ccgagaggcc actcagccag actgcattca ggccctcatc gttgaattca 120
tagccacctt cctctttgtc ttgtttggcg ttggttcttc catggtcggt gacaagcttg 180
gtggggatgc actagtggga ttgtttgctg tggccgtggc acatgcactt gtggtggctg 240
taatgatctc 250

<210> 43884
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043601H1

<400> 43884

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 gcgagaaaaac tacggccgaa gctgaggagg agcaagcctt cgatcccgag cctcacggcg 180
 gcgattccac cggctcctaaa ctctcgggc tgctcctcca atgcgcggag tccgtcgcca 240
 tggacaacct cgacttcgc 259

<210> 43885
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043602H1

<400> 43885

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 tacaagcagc tgaatggatg aaattatgct taatgttagc cactattttc tttctggaac 180
 ttaccacaat cgtgagcttg catgagagtt gtaagaagaa cttgtggaat acagaggatg 240
 tgaagagggt cataagtatt t 261

<210> 43886
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043603H1

<400> 43886

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 tggatgatctg gaacttattg ctaagagcat tgaatcttca gaccttaact tttcaagata 180

cggcgatacc ttttttgagg ttgttttcac tgggggtcgt acacaacctg gaactaccaa 240
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<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 701043606H1

<400> 43887

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gtacgacagc gccacgcgg acaaggccgc cactctgcgc accgaggagg agctgatgtc 180
catgtacgag cagtggctcg tgaagcacgg gaaggtgtac aacgcgctcg gcgagaagga 240
gaagcgttcc agatctt 257

<210> 43888
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 701043607H1

<400> 43888

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tctgtgtgat gggtggagat ggggttcaaa ttcttggaat ggctgggtgtt actattgttt 180
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ttttatatct taccctggga 260

<210> 43889
<211> 246
<212> DNA
<213> Glycine max

<223> Clone ID: 701043573H1

<400> 43889

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 aaaaacccta aaccttcgct ttgctgccac acacatcaga tccccactac aacttccaag 120
 ttcaggaatt atgtgtcact agcgatgtcc gattccgttc ccaaaacgcg aaaccgtccg 180
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 ttggcaagat tcttcagata agaaaaatta cctaagaata aaggcagtaa actttggagc 180
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 <213> Glycine max
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<400> 43891
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<210> 43892
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 <212> DNA
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gaggcagtac tgggaatata atgtgcttga ctatgaggag aaagtggtag atggttttca 180
tgatgtatat gggccctata atgattcagt aatgcaaggc aagatgccat ctggaacaga 240
tcttgaagca aaccctggag gtt 263

<210> 43893
<211> 249
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<213> Glycine max

<223> Clone ID: 701043540H1

<400> 43893

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tgctgtgaat aagaagggcg ccgccaccaa gactaggaaa cccgccggaa aggggaaggc 180
agcgaaagat cctaacaagc caaagaggcc tccaagtgtt ttcttcgttt tcatggagga 240
attcaggaa 249

<210> 43894
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<212> DNA
<213> Glycine max

<223> Clone ID: 701043542H1

<400> 43894

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acggcaagga ctaccaggag ccggcgccgg cgccgctggt tgacccgacg gagtttacgt 180
catggtcggt ttacagagca gggatagcag agtttgtggc cacttttctg tttctctaca 240
tcactgtctt a 251

<210> 43895
<211> 248
<212> DNA
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<223> Clone ID: 701043543H1

<400> 43895

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ttgttcgttc ttgccagctc aaatactact gtactaatta ctaggaagat tatagacaaa 180
aagcatcaaa ttgtttgtga ttgtaatttg caattttaac tagaaaaagt atttagatct 240
agattgtg 248

<210> 43896

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 701043544H1

<400> 43896

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gaagaagaaa tgtgagaagg atctggggtt acacctgacc tgactgttct ggcagtggag 180
tgcaacagct actatctaata ctaatgggggt ccgagcaaaa tcgatttcct ctgcacgaaa 240
ggcgaaagag at 252

<210> 43897

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 701043546H1

<400> 43897

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aattaattcc atttagcttt ccccaaattcc caaacctttt ttcgcttaga tcccaatcca 180
attgggttat ggacatgggt tccagtcccc gcaccgtaga agagatcttc aaggattaca 240
gcgccagaag aa 252

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<210> 43898
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<212> DNA
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<223> Clone ID: 701043547H1

<400> 43898

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agcgaaacat gcaactctgg actatacaaa atagtgaaca taggctttct ggcaaaattt 180
ggcgggtgggc gggaaccaga aataaaccta gcaggacact gcgaccctgc atcaaacggc 240
tgcaaaaagtt t 251

<210> 43899
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<212> DNA
<213> Glycine max

<223> Clone ID: 701043548H1

<400> 43899

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gcaggttgca agacgacaga ttaaaagtgt gtttgtcaca agctatTTTT ctgtcaataa 180
gtttggagat cgtgcaggga ataggctttt ggggtgcccaa gagagatttc agtctagcta 240
ccttagtagc at 252

<210> 43900
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 701043551H1

<400> 43900

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agagcctcag actgtattat ataagaacct gtggcttgag gctgaagctg cactttgttc 180
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 g 241

<210> 43901
 <211> 249
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701043553H1
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 tgttcaaatac aattgcaata agtgtcatgg ggagttggag acagttgaag ctaatgttga 180
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<210> 43902
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 <212> DNA
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 <223> Clone ID: 701043554H1
 <400> 43902

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 aagtgaatcc cataatcatg aagaaaggaa acttgggact tgggtctcaa ctctcagttc 120
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 gggatctgct tgtcaacagg gatggagttc gaattgtctc tcagaatgat gtcgaagctc 240
 cacctcca 248

<210> 43903
 <211> 249
 <212> DNA
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 <223> Clone ID: 701043555H1

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 gggccgacga agcggacgaa gaaaccaacg cctccaccgc cgaggcagaa acctcctccg 180
 ttaacctgga agcgttaacc atcgacgaca aagaaaagaa ctcttcaaaa ctcttggacg 240
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<210> 43904

<211> 231

<212> DNA

<213> Glycine max

<223> Clone ID: 701043556H1

<400> 43904

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 cagagtacat atggatcggg ggatcaggaa tggacctgag gagcaaagca aggactctcc 180
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<210> 43905

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 701043557H1

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 aaacttcaca ctttcgagga ggtggcaaag cacgaccaga ccaaggattg ctggctcatc 180
 atttctggca aggtgtatga tgtcacccct ttcattggagg atcatcccg aggtgatgag 240
 gttttgt 247

<210> 43906

<211> 246

002220"ETTES60

<212> DNA
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<223> Clone ID: 701043558H1

<400> 43906

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tagggcagaa aacccctttt cggatcgggtg gagcgaacct cgccggcgag acccccgagg 120
ctgttcaatc ggcgatcgag caacggcgaa aagcgacgaa gatgaagggtt ttcgtgaaga 180
ctctcaaggg cacgcacttc gaaattgaag tgaacccttc ggacacgctt tctgaagtga 240
agaaaa 246

<210> 43907
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 701043559H1

<400> 43907

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cagtttcaca tgctaaagcg cgccatgcgt ttggttatat cgtcactcgg cccggctgac 120
cggctcgccg tcgtggcttc ctgggctaata accaaacggt tgttacctct gaggagaatg 180
acggctcagg gacaacgcgc ggcgcgggcgc gtcgtggatc ggctcgtgtg tgaccatgga 240
aacagcgt 248

<210> 43908
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 701043560H1

<400> 43908

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ctcccttccc ctatgttttt tcttctctt ggcttcaac aaaaaacccc tcttagcagc 120
agaaccagag ccagtgggtg ataagcaagg gaaccctttg gagccaggag tagggtacta 180
cgtgtggcca ctttgggctg atgaaggagg cctcacacta ggccaaacaa ggaacaagac 240

atgccctctt t

251

<210> 43909
<211> 209
<212> DNA
<213> Glycine max

<223> Clone ID: 701043562H1

<400> 43909

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cccccaadaa atgcaatcat tccccccat cccactctc gcatgccttt accttacttt 180
ctttacgtca ctactattcc tactacctt 209

<210> 43910
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 701043563H1

<400> 43910

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ttctctacca tggtcaagct cctcaacaag aactcgcgcc gcctcctcgg ccgtctccgg 180
tgccaattc gccgcgctc aaagcccaaa gtagtagtga tcaacaagct cggaaagaac 240
gcc 243

<210> 43911
<211> 186
<212> DNA
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<223> Clone ID: 701043564H1

<400> 43911

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cttcctatgc atcaatatga aaaaagtaat ttgtatctaa aaaaaaaaaa aaaaaaagaa 180
aagaaa 186

<210> 43912
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 701043565H1

<400> 43912

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cattagaaat gctgttctac aacgggtgcg catggtgaac cccctgttac agccaattgt 120
ctcttcgcgg tttgaatctg ttacacctgc tcgcattgag gagcatggtt ttgagagcac 180
cacaatttca gacatcttga atgataaagg caagggtgct gatggctcct ggctttggtg 240
caccacaga 249

<210> 43913
<211> 243
<212> DNA
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<223> Clone ID: 701043567H1

<400> 43913

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ctcaccattc aaatataatg tcaataaact cactgactcc agtcaatggg gctgctgttc 180
aagctggcca tgcagcaacg aactcgggtct tacacagaaa cttggatttt aattattgtg 240
atc 243

<210> 43914
<211> 247
<212> DNA
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<223> Clone ID: 701043568H1

<400> 43914

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tgaatggcat tgggaaactc aaatcgtcga gttctgaatt ggaccttcac attgaagatt 180
acctaccttc tggatccagt gttcaacaag aacggcatgg caagctccga ctgtgtgatt 240
tgctaga 247

<210> 43915
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 701043569H1

<400> 43915

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aattccaatt ctaataacaa taataacaat aagaagaaga acaagaagaa gaagaacagg 180
gggtgggagca agaagaagat gacccacgaa caggtcttgg ccttcaagtt agtgagtgg 240
tgggttt 247

<210> 43916
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 701043538H1

<400> 43916

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agcaaccttc tattgtccgt ttgacaaggt ctactcgccc agataaggct cgtcgcttgg 180
gtttcaaggc taagcagggt tacgtgattt accgtgttcg cgtacgaagg ggtggccgta 240
agagacca 248

<210> 43917
<211> 246

<212> DNA
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<223> Clone ID: 701043571H1

<400> 43917

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 cttgaggaac atcaatgagc ctactaactt ctcattcttt tcacctttgg ctttaccaat 180
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 taggct 246

<210> 43918
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043572H1

<400> 43918

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 cagtaattca acctttgatt gagcaagatg ctaaaacatt acaactgttg cttccagaga 180
 taccacttg gattaaaaac ccagactatg accgtcttga ctggcttaat aaatttatcg 240
 agtata 246

<210> 43919
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 <212> DNA
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<223> Clone ID: 701043508H1

<400> 43919

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 cagccaatgc cctctcaag caggacttcc cggggccctc acgcccttcc atcaaggtgg 180
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251

<210> 43920
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043509H1

<400> 43920

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<210> 43921
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043510H1

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<210> 43922
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 <212> DNA
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<223> Clone ID: 701043511H1

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accacaattt cagacatctt gaatgataaa ggcaagggtg ctgatggctc ctggcttttg 240
tgcaccacag atg 253

<210> 43923
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<212> DNA
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<223> Clone ID: 701043512H1

<400> 43923

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aaccaaggaa gagctcattg agagcttcaa aaattcagga gtaaacttaa ttcagggaga 180
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atttggtaga ctacta 256

<210> 43924
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 701043513H1

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gtcttctact tcaattcacg gacaagcgt ttcagcccgt ccatgacttg accatcggtg 180
ttgaatttgg tgccaggatg atcacaattg ataacaagcc aatcaagttg caaatatggg 240
atacggctgg tcaa 254

<210> 43925
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 701043514H1

<400> 43925

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gaagacacaa tggagattgt tcgtgaagaa atgaaactac tggcagaagt ggaccagccg 180
ggaagtctta ttgacaacta cgtgaccag ttgagtttcg tgctttctcg caaagcagct 240
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<210> 43926

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 701043515H1

<400> 43926

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ttctttctgct accttcaaaa catcacaaga agcaacatcc ccctatacga gttaggtgag 180
ctcagttcaa cacatcgtgt gaaaatcaca taaagggaga aaattactat tttgtaattt 240
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<210> 43927

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 701043516H1

<400> 43927

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aatggtagtt ctaatgataa agtatgtttt tctcctaaat aggaagcagc taaggttcag 180
gcaaaggatc acaaggtaaa tgaatgtacc aaaactaact cttttgagga gaaaagccat 240
gagaagatgg tggtttga 258

<210> 43928
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043517H1

<400> 43928

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<210> 43929
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 <212> DNA
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<223> Clone ID: 701043519H1

<400> 43929

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 cggaggatga ggaggagaag gtggcatcgc tcctgtctga gcttcgtctt gaagcagttg 180
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 gtgataac 248

<210> 43930
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043521H1

<400> 43930

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gccatgttta cgacaagttc tgtaggcatg ttggtgcctc catagcagtg gctttgtttg 180
gaagcgttgt gacagtcttg ctcatgtggc ttccagctta cagcattcat agccgagtcc 240
ccaagtagat gg 252

<210> 43931
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 701043522H1

<400> 43931

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gaagggagta caaggtgaag gacatgacgc aagccgattt cggaagattg gaaatcgagc 120
tggcggaggt tgaaatgccg ggcctcatgt cctcccgac cgagttcggc ccctctcaac 180
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<223> Clone ID: 701043523H1

<400> 43932

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cttcaggatg agaacaaccc tgactttgtg gtcgaagttg tctctctctt ctttgaagat 180
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tctcgttttc c 251

<210> 43933
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<223> Clone ID: 701043524H1

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 cctccataat tcaaagagc ttcgacaatg gtggttgggg tgctattcta gctaacttgt 180
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<210> 43934

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<212> DNA

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<223> Clone ID: 701043525H1

<400> 43934

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 gcagcagatg gctgaggagg gtcacagggt tactctaaat gtttatgact tgagccaagg 180
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<210> 43935

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 701043526H1

<400> 43935

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 cctgcaccac caaaagctc accgactcca aaaaaagct cttctccaac tgcttgacc 180
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<223> Clone ID: 701043529H1

<400> 43936

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 accagtgaca gttccacccg ttgtgcttcc accaatagtg aagcccccggt gttttctccc 180
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 atgtccacca ccaa 254

<210> 43937
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 <213> Glycine max

<223> Clone ID: 701043530H1

<400> 43937

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 gtccatgaca ggagtttctt cttcagggtt attcctgact ttccattttg gggattcaag 180
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<210> 43938
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<223> Clone ID: 701043532H1

<400> 43938

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 ttggtgtgaa gcgtggccgc aacctcgccg cgcaggaact atggtctgag cttgaccctt 180

aaaaattgta gctgatgtta ttcattgctag ctcttcaaatt catattatat cctataatct 60
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<211> 244
<212> DNA
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<223> Clone ID: 701043536H1

<400> 43942

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atgcgaatcg tttcacttta attcgatgat gatcgccact atatgccgcc ctgtgcgttc 180
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tcga 244

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<223> Clone ID: 701043537H1

<400> 43943

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ctacaaagag gatgtcttca ctcatgtcaa ggaaaacgat atggtccttc tgtacgaaac 180
cctagtcgct gattccgtgt tggacttgga tcgtgccctt ttggactcta tgcgcgctaa 240
aattgacgac 250

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<212> DNA
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<223> Clone ID: 701043506H1

<400> 43944

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 aatgaggcac tagctaagct ggctagtgtt ggacttatgc caaacatggt attgtatttg 180
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<210> 43945

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 701043467H1

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 ttttcccaga atcattctga tgaacatgat gtagggactg tgattgatag ctccggattt 180
 cctcacctgc tacctgatga agatgatgca ggcaatttga tggaggacgc caatttt 237

<210> 43946

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 701043468H1

<400> 43946

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 cgccgatacc tgtggccgga tttgaagaag cggaagtctg acttggacgt tgacttcgag 180
 gctgatttca gggattttta agacgattct gatatcgacg acgacgacga cgatcacc 238

<210> 43947

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 701043469H1

<400> 43947

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gttgaatgcc cgggggatag acctcaacac taatgcatgg cccaatggaa aaagatcaca 180
gctggtgata tctaattctac actatgactc aagaccacaa tgtgggttgct gtgga 235

<210> 43948

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 701043470H1

<400> 43948

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ctatgatgcc aggggagtga tgctgggtcc tgatcagtc gtgatcctcc acatgcttga 180
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<210> 43949

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 701043471H1

<400> 43949

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gactaataga attggtttga agaagagaga tctagatctt gatagtatca gagcagctag 180
tatggtaaga gaaaagccaa gattaggcag acctgtgttg ggtgcgtatg atcatgat 238

<210> 43950

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 701043472H1

<400> 43950

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aactttactg aacgcgttgg agtatttcaa aacgcacctc aagtacgaga agaaccctaa 180
gatcaaggag gccatcactc agaaattcac cgagtatctc cgccgggccc aggagat 237

<210> 43951

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 701043473H1

<400> 43951

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ttcatccatg ttactgcttg gtttgaatct aaatcgtaat gcacttgctc cagaggaagc 180
agaggagata aatgacgaat atgatattaa tattatttca gataattcag ccattagaaa 240
taaaac 246

<210> 43952

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 701043474H1

<400> 43952

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catcggtcgc tcttaaccgc ctctttcttc atttatgaag caacatcttc taggaaaagt 180
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<210> 43953

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<212> DNA
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 tttcagactt gagacaaatt ctgaaatagc ttgatctggt tcaactctta tttctttggt 180
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<210> 43954
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 <213> Glycine max
 <223> Clone ID: 701043476H1
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 ctgctgaaaa ttagctgagt gtcaagaaac catatttctt cttggcaagc agttaaaatc 180
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<210> 43955
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 <223> Clone ID: 701043477H1
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<210> 43959
<211> 62
<212> DNA
<213> Glycine max

<223> Clone ID: 701043482H1

<400> 43959

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tg 62

<210> 43960
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<212> DNA
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<223> Clone ID: 701043483H1

<400> 43960

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aaacagtgcg ggaaaacaat catacgcatt tgcgggtaag gcttcttcgc actctgactt 180

cgacgttgac ctttcgctca gtccacgtgt caatgccgtc aagccttcca aaaccgt 237

<210> 43961
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<223> Clone ID: 701043484H1

<400> 43961

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tcctgaattg ttgtgattca ggagtgggtg ggtgtggatt acgaaattaa gaaccatgcc 180

gtgaagattt ctcagcttgg tagtgggtt aaagctctta ttccagattt atacaga 237

<210> 43962
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<223> Clone ID: 701043486H1

<400> 43962

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 cagagctgaa gaagaaggga atgcacgtgc ctccatggag gagaaccgaa tacgtgaaag 180
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<223> Clone ID: 701043487H1

<400> 43963

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<400> 43964

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<210> 43965
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 <223> Clone ID: 701043490H1

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 <400> 43966

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 <400> 43967

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 <223> Clone ID: 701043495H1

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 <223> Clone ID: 701043503H1

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 <223> Clone ID: 701043504H1

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<211> 240
<212> DNA
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<223> Clone ID: 701043466H1

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<212> DNA
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<223> Clone ID: 701043437H1

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aggt 244

<210> 43973
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<212> DNA
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<223> Clone ID: 701043438H1

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<210> 43976
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 <223> Clone ID: 701043441H1
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<223> Clone ID: 701043442H1

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<223> Clone ID: 701043443H1

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<223> Clone ID: 701043444H1

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<213> Glycine max

<223> Clone ID: 701043445H1

<400> 43980

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 gagcatagag acataagggtt gttgattcat ctcaggtagc tccagctaca agtagaacca 180
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 tat 243

<210> 43981

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 701043446H1

<400> 43981

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 gtttcagcga acctgctcag ttagtcaaaa gagaaacacc gtgggacagg ggtgttgaga 180
 ataataataa taataatgta gaggggtccg gggagaagaa atcccctgaa ggggaagtgg 240
 tgg 243

<210> 43982
<211> 239
<212> DNA
<213> Glycine max

<223> Clone ID: 701043449H1

<400> 43982

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gacgacggca ggactaccag gagccggcgc cggcgccgct ggttgacctg acggagttaa 180
cgtcatgggc gttttacaga gcagggatag cagagtttgt ggccactttt ctgtttctc 239

<210> 43983
<211> 236
<212> DNA
<213> Glycine max

<223> Clone ID: 701043450H1

<400> 43983

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ctcaacgcgc tgccgtttga tgatgatgct gccgtcgtgg atgatgatct acgctgcacc 120
gcgctttgct ctgatgatta tcgtgcgatg atgattttta atttctcatt ttttttatct 180
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<210> 43984
<211> 242
<212> DNA
<213> Glycine max

<223> Clone ID: 701043451H1

<400> 43984

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tgagaaagag gaaattaatt agggaagaaa tgtcatag atcaaagtta gtgccctata 180
aatactaacc aaagcattgc tctgcaccac aagccattgc tagtttagtt ccatacatag 240
ca 242

<210> 43985
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043452H1

<400> 43985

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 ctaaagataa gtgagagtga gagacatgta taggttcagc aacacagtaa tcgggttctt 180
 gaacttggtc acacttttag catccatacc aataattgga gcaggtctat ggatggcaag 240
 g 241

<210> 43986
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043453H1

<400> 43986

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 gttgaagtgg gcccatggct gaggctgctg tgacttgcaa cccaacacag ttgactcctt 180
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<210> 43987
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043455H1

<400> 43987

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 tctcaggagt cattcatttg gcagagtgcg ctgcttattc attcttgacc gattgtacaa 180

0953113.032200

tttcagtggc actggcagac ccgatccaac tcttgacaca acttacttaa aacaattgcg 240
cc 242

<210> 43988
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 701043456H1

<400> 43988

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tcctttctct tcttcattct tctttctctt ttcaactatt ttctttacat ttttttcttt 180
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ttg 243

<210> 43989
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<212> DNA
<213> Glycine max

<223> Clone ID: 701043457H1

<400> 43989

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ggcagagttc atgcaactct gattttcgtg ttcgctggtg ttgggttcagc catcgcttac 180
aacgagctta caaaagatgc agccttgat ccaacggggc tgggtggcagt agctgtggcc 240
ca 242

<210> 43990
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 701043458H1

<400> 43990

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atcatcatgg attcagttgc attaaatggc aaaagcaatg ataagcctct tcacgttgcc 120
atgctcccag gctggccatg ggtcacatat acccttactt cgaagtcgcc aagattcttg 180
ctcaaaaggg tcactttgtt accttcataa acagcccaa aaacattgac cgcatgccca 240

<210> 43991
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 701043460H1

<400> 43991

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cccctctgac gagtaccaag tgtacgaccc ccagtagag gcaacatata ctaggcaaaa 120
tcacacaga agggatcatgt ggcattctag aaccaactat gaggattcta tagctgaagt 180
agaatccaac gttgaggctc gagaacataa cagcagggtta tggaatcaca gtgcttacia 240
a 241

<210> 43992
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 701043461H1

<400> 43992

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aacacgccct tggcgacggt ggatcccag atccatgacc tcacgagaa ggagaagcac 120
cgccaatgag cggcatcgag ctcatcgct cagagaactt cacctccttc gcagtcacag 180
aggccctcgg cagcgccctc accaacaat actccgagg catgcccggc aaccgctact 240
a 241

<210> 43993
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 701043463H1

<400> 43993

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ccaagacgtc gcacccaaaa cgttgtggca tgccaagccg ttgccaacat cgtcaaaagc 180
tctttaggcc ccgttggcct cgacaagatg ctcgtcgacg acattggcga cgtcaccatc 240
acca 244

<210> 43994

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 701043464H1

<400> 43994

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tcaccttag gatcatggct ttgtgagtct ccttactcat acatgagact tcctgggtgac 180
tcgggtaggt ttcaaattca agcaccagct gctgcttcac cctcttccac caacccta 240
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<210> 43995

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 701043465H1

<400> 43995

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tttaggggttc ctttaatctc gttattctc ttcactccca aactccgttc actccaacaa 120
cactctgatt tagaaatgat ggaccagctg gtcgaggtgg tgctggactg gacatgtttc 180
tgccaaatta tacattggga aaaacacgtg ggattggatc ttttggcaag gtcacaattg 240
cagaacat 248

<210> 43996
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<223> Clone ID: 701043436H1

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 aatcctactc agagtctgca tctgagattt cgacatcttc tagtaccttt gtgtctaaac 120
 catctggtgt atgcctccac ttctgctgg ctctcaaaat atcttaccat acattgaatc 180
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 ta 242

<210> 43997
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<223> Clone ID: 701043407H1

<400> 43997

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 acccaaacag gggctgcttg ggggtacctct ctctgcaagg tctacacctt cgacaccgtt 180
 gaagagttct ggtgtttgta tgatcaggta ttcaagacca gcaagttgca aatcaatgc 239

<210> 43998
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043408H1

<400> 43998

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 aaggtggatt tggcatgttt ataaaggcac gatcgggaaa ataaatcagg ttgtagctgt 180

taaaagactt gatactactg gtgtccaagg ggagaaagaa tttctggtgg aagttctcat 240
gctttcc 247

<210> 43999
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<212> DNA
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<223> Clone ID: 701043409H1

<400> 43999

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gcaatgcagg ggataattaa ggttcagaac ctttagaagc atgaaaataa gtgcaatcaa 180
caacattttg cacaattact ttgctgcttt caccattttg ttgttattcc ttctgtgagg 240
tg 242

<210> 44000
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 701043410H1

<400> 44000

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agccttgga gtggtgggtg ggcagttcca ggtctgttaa tgggtggcttc aggggttctt 180
ccagttccgt cgattggctt ggcagagaga tgcttgagat gtctttgaga gaccacgagg 240
acgttaga 248

<210> 44001
<211> 248
<212> DNA
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<223> Clone ID: 701043411H1

<400> 44001

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gaaattccaa cttegccttc ttctctgtgt atattctttt tgatttattt attattattt 180
ctattatttt ttcggtgagg ttagctccat gcctagtccc aagagcagcc gcagcggcca 240
gatcgaga 248

<210> 44002
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 701043412H1

<400> 44002

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ggcccctgga aaaacctgat atattcaaga tggttctcac tggtaggagca tggcgggtcaa 180
aacaagttgt aaaagttctt aacaatgaaa ggaaggttat tgtgtatgcc aagccaggat 240
acccgat 247

<210> 44003
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 701043414H1

<400> 44003

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cattacctcg ttgtcttggg tccattctca ttctttccac catccttgtc cctctcatcg 180
gtggtggcaa tgtggaaaag gctgaaacaa ttcagactct actttttggt gcggccattc 240
acac 244

<210> 44004
<211> 245

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246

<210> 44007

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 701043419H1

<400> 44007

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gcatgttctt gctccgagtc cactcagtgg aagaggagca ccctctggat ccccgaacca 120

tcttccaatc ccaaccaaca accctaaatt cagccaacgc agaggcgcg cccacttggt 180

ccgaacctct tccactcct ctccctcttc tcttctcttc atcctcgccg tccccacta 240

cctctc 246

<210> 44008

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 701043420H1

<400> 44008

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gccgttgatc ctgaaccacc ctgcggtggg aggattttta acgcactgcg ggtggaacgc 120

ggtggcgagg gcgtcagctc cgggggttcg atggtgacaa tgccggcttt cggggaccag 180

tactataacg agaagctgat aacggagggtg cacgggttcg ggggtggaggt gggggcggcg 240

gagt 244

<210> 44009

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 701043421H1

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 ctacggtaat aggtgagata gatgggatga agagcaggac attgtatatt taccttatgt 180
 gaatgccatt gcataggacg caatgaggct gcaccctgtc gcaccaatgt tggggtcaag 240
 actag 245

<210> 44010
 <211> 246
 <212> DNA
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<223> Clone ID: 701043422H1

<400> 44010

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 tgtggaataa tttactgttc caacggggcac tctttatgct tgggacccta catcgactta 180
 tattcatgag ccaccttatt ttagagatat gagcatgtct ccccaggct ctcatggagt 240
 gaagga 246

<210> 44011
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043423H1

<400> 44011

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 cctgcgtatt tggtaatatt atagtttatt gatatttata tattagagat ggagatggtc 180
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 ttttt 245

<210> 44012
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 <212> DNA
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<223> Clone ID: 701043424H1

<400> 44012

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 aatcaagaaa atgagttgcc agcaattaa gcagcagagg gggaacgtga gtttcgtggt 180
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 gcggatg 247

<210> 44013

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 701043425H1

<400> 44013

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 ttttcaagcc ttaaagagta aaaaagagtg aagacaggaa agaaaggagc accatttttg 180
 gtttgagaaa cataattagc aagagagttc aaatggggca gagagagttt aatgggggtg 240
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<210> 44014

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 701043426H1

<400> 44014

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 ggcggatcat ccaagcttcc aaagggtgta actgtggctg ttgtggtatt ggatggtttg 180
 ggagaggcca cacccaatga gtacaactgc atccacaagg ccgaaacacc ctgcatggat 240
 tcact 245

<210> 44015
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 <212> DNA
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<223> Clone ID: 701043428H1

<400> 44015

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 acaagatgct gcgaggaatg tttcgacgag tctcccactg ctaactctgg agctgatggg 180
 aaactttcaa gtcctgttaa agcagaggca gagaaagacg gaatagctaa tctttctttg 240
 gtta 244

<210> 44016
 <211> 242
 <212> DNA
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<223> Clone ID: 701043429H1

<400> 44016

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 aggaaacatt caccattttt ctcttttccg ttctgttctg ttctgctttg cccctctttt 120
 ctcccaatga ctctcaccat tctctctctt tccaactcct ctgagcctcg ctcgtaggt 180
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 ga 242

<210> 44017
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043430H1

<400> 44017

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acggtccatt taaaaaacg tggatgtact tcgtgttcta gtgtagataa gggattttgg 180
 ctgaggggag tgcatttttag gatataaaat ccaataatgt cccatcttca atcccttggt 240
 cctaa 245

<210> 44018
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043432H1

<400> 44018

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 gtgaggtttg ttctgtctcc aacaaggcga atcgtgtggc tgataggctc gccaacgatg 180
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 accagtt 247

<210> 44019
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043433H1

<400> 44019

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 tcatcagaga cctaacttgt tccccgacgc tgacgtcaac atcgttccccg ttgctaattg 180
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 ggatt 245

<210> 44020
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043434H1

<400> 44020

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tttggtggtg ctctcttaag gcttatttgg cagagttcca tgcaactctg attttcgtgt 180
tcgctggtgt tgggttcagcc atcgcttaca acgagcttac aaaagatgca gccttggatc 240
caa 243

<210> 44021

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 701043406H1

<400> 44021

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ctcccgaaga tgggtggtctg atctcttcgt tctactacagt gcgatccaaa ccgacggcgg 180
cttcgcgacc ttgtcggagg gtcagtcagt agagtcctc gtcactcagg acgacagcgg 240
gcgagcc 247

<210> 44022

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 701043435H1

<400> 44022

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ttggtacttt ggatgactct tttagcgtg cctctcttaa ggcttatttc gcagagttcc 120
acgcaactct attttcgtgt tcgctggtgt tggatcagcc atcgcttaca acgagcttac 180
aaaagatgca gccttggatc caacggggct ggtggcagta gctgtggcac atgcatttgc 240
a 241

<210> 44023
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043372H1

<400> 44023

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 gaattcattg gtaagaagga aggctgcaac ttcctcctgg ttttgctgct cgcattgtgg 180
 agaaatcaaa tcgaaattta aggagggcca tattgtcatt tgagacttgt cgtgtccaac 240
 agtatccttt cactaacaaa caaacaatt 269

<210> 44024
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043373H1

<400> 44024

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 tctcgcggtat ctaatatcaa ggaatagctt aagggcacat tacaatgaag gcattgattc 120
 tggttggggg atttggaata ggctgaggcc actgacactc agtttcccta agcctcttgt 180
 tgattttgct aacaagccta tgattttgca tcagatagaa gcccttaagg ccattggagt 240
 gactgaggta gtgctagcca t 261

<210> 44025
 <211> 235
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043374H1

<400> 44025

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 gagttgagaa ggatgagaga gatgaagaaa aaaggtaaca caaaagaaaa tgactatggt 120
 tacatggaag aagatgatca gagaatggaa gtccagcagc agtgccagtt ccattgcctg 180

aaacatcttt ttcttgcagg tatcggaata gcatcatcac cttgtcaagg gtaacttcta 120
catcatcctc actaaccctt ttagaccttt ccggagttta tcatctacaa atagtgaat 180
gaactctgga gaacgagggt tcaagttgat gaaatattca aatgaggaat tcaatgcatt 240
ctggaaagac ttgtcattga cgaatgcaa 270

<210> 44029
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 701043380H1

<400> 44029

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cacttttcgg cacgccgttg ttgaatttcc aatctgtgat tttcttcttc ttctatttat 120
acgtgataat tccaaaaagc ctacgcgaga gattcatcag cttttcaatt attcctcgaa 180
ttattttgaa ggaatcatcc aaactgcttg aactattcat catcaacaac ctcacgctgt 240
tatagatatt ctctctctct ctctctctca ca 272

<210> 44030
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 701043382H1

<400> 44030

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gacctccat cagagtaccg aaagattctt ggagctgttg ttgtaatagc agcaaatgcg 120
gggggtgcat ggactcctat ggtgatgtta caactactat gctgtggata catgggaaat 180
tatctacagt tcaaacgtga aggatttggt tgtaccttca gccgtttctc taagtgttcc 240
ccttgggtctc taatgtccct gac 263

<210> 44031
<211> 262
<212> DNA
<213> Glycine max

0053113.032200

<223> Clone ID: 701043383H1

<400> 44031

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actctacctt ctcaagaggt tccccattcc ttatgcatta tacctcacct cagtgtctgt 120
tttggctggc ttctggggca attctttgta agaagattga ttgcatgcct tgggagggca 180
tcaatcattg tattcatcct ctcaagggtc atttttgcta gcgccctcac catgggtgtg 240
gttggcattg agaacagcat tc 262

<210> 44032

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 701043384H1

<400> 44032

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ttagtggaga atggaattga aattcgagag tatacagctg taagctctga tacgacattg 120
cttgcaactg atgagcttat tctgtatcta ccgccaaggt tgcttttagct gaaacagagg 180
tccgaaaaat tccaatgaa actgctaagc atgcaaattg tgaacatcaa gcagaagaaa 240
atagtaatga cctcatatgg gctga 265

<210> 44033

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 701043385H1

<400> 44033

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ccttcgattc tgtcttagaa tgacgaattc actatctccc tgaaaccatg actgtgaggg 120
acagtcatca tcattgagct taccagaac taaaaaagca atctttatca catatcacia 180
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gatgtctttt tctctgtct 259

<210> 44034
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043386H1

<400> 44034

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 aattctcttg tgtctcaatg ttctcttctt cactgtgggtt agttccacat atgttccatg 120
 caaccacccc cccaaaactc caaacaccca cctgtcccaa agccaccttc cccaaagcaa 180
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 aacgtgcaac tagggaagcc accaaaa 267

<210> 44035
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043388H1

<400> 44035

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 gtgctatttg ggaaccacat tgaagaagtg agaaagagga agtccaaaa gcataagaaa 120
 aataagactg aagatggaaa aagtctaaat tactatgtgc tacttcttgt acttggtcat 180
 ttcttttgtt caggttcaag taggacacag aaggaagcac cagtacatat gaatgtacta 240
 aggcataatg aagaaaaaca actaaaat 268

<210> 44036
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043390H1

<400> 44036

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ggctgttcaa ctaggtatcc agacataata cagaaccatg ccaaaccat ttctctttct 180
gacttggctct ctactcttca aattccacca gctaacgctg cttttgtgca gcggttcattg 240
cgcttcttgg cacacaatgg aa 262

<210> 44037
<211> 266
<212> DNA
<213> Glycine max
<223> Clone ID: 701043391H1
<400> 44037

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tccttgtgct tgttaatctt ttgttgaaa atcatgcttc taaatgtaa gcattaaaaa 120
tctatcagt accaaatcac atggtggtt ttatgtttct gaatatatt gcacccgatt 180
ctgcagctat ttgcttttga tacagtacac aagaacctat ccccaaagcc tggagagcag 240
tccaaaatcc caattcctgc atcttt 266

<210> 44038
<211> 270
<212> DNA
<213> Glycine max
<223> Clone ID: 701043393H1
<400> 44038

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tcacaattca cacaccaaca ccaccactcc ccaatctcta acttttcccg agaaaattat 120
aatttccatt ctcttttctc ctgagattcc cggaatat agtattcaca acgttatatt 180
ttggcaccgc caagctcaa ttcaatccgt cgtcgttttc gcgaattccg aatgcgtcga 240
cttcgggttg gagaatgagt tctccgtgct 270

<210> 44039
<211> 257
<212> DNA
<213> Glycine max
<223> Clone ID: 701043394H1

<400> 44039

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gggtgttgga tgatgtgata agaaggcttc tggaagggaaggaggagaaa caggtgcaac 120
tctctgagcg gagatccgtc aactctgcgt caacgccaga caaatcttcc tctctcagcc 180
aattcttctc gacctccgtg ctcccatccg catctgcggt gatatacatg gtcagtagca 240
ggacttgctg aggcttt 257

<210> 44040

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 701043395H1

<400> 44040

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ttataaaaaa tgaaacaaat agaaatggaa agtaacgcat cagcactagc aaagaaagtt 120
tgagagcatgg tacgtgtggt gtgttcatgc ttcgaaaagg cataacaaag gggaagctca 180
tgatggacct caacatgatg ctgaaacgcc gcggcaagct cgccggcaaaa gccattgcca 240
acttaatgtc gtcccaccac caccacaacc g 271

<210> 44041

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 701043401H1

<400> 44041

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agaaagttag cgatgtagca ttcaagggtg gaaggaacat cgattgggat ggaatggcga 120
acttctggtc tccgataggc tcgcaggag ttctccaatc tccgtcgcgc ttctgacgag 180
gttaactccc aactccaaac caagttagc caggaacctg agccattga ttgggattac 240
tatagaaagg g 251

<210> 44042
 <211> 235
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043402H1

<400> 44042

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 acgttgagtg tcctaattgtg aagtacaccg agactgagat tcagtccgtg tacaactacg 120
 aaacaccgaa cttgttcacg agaacaggaa tggcacctat cagtggattg tcaaaccctaa 180
 atctgtcaaa tacgaattta aaaccaacat ccatgttcct aatgagggg taatg 235

<210> 44043
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043403H1

<400> 44043

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 ggcttctctgt ggtgcaactt caaccaagac ttgatctaa cttgggggtga tcagcgtgct 180
 aagatattca atggtggtca gtttctatct ctttccttgg acaaagtctc tggctctggc 240
 ttccaa 246

<210> 44044
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043404H1

<400> 44044

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 ttttactttt tctcaaactg aaacataaaa aatggagggt cttattcctt ttgtttacaa 120
 ggctatcatg caatcaaggg cgacaaagag ggtcatccta taggatcatg gctttgtgag 180
 tctccttact catacatgag acttctctgg gactcgggta gggttcaaata tcaagcacca 240

0053113-032200

gctgctg

247

<210> 44045
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 701043405H1

<400> 44045

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cggaagaac aagcgcattc ccaaagggaa aaaggtggc aagaagaagg cagctgatcc 120
ctttgccaag aaggattggt tgacattaag gcccttctc tttttcaagt gaaaaatggt 180
ggcaaaaccc tcgtctctcg tacgcagggt accaagattg cttctgaagg acttaaacad 240
agagtgtttg aggt 254

<210> 44046
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 701043370H1

<400> 44046

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tctctctctt tcttctctct ctcttgcca tcgcttccgc caatgtcttc ttcgaagagc 120
gtttcgatga cgggtgggaa atcgatgggt taaatcagat tggaaaaaag atgagaacgt 180
ggctggggag tggaaccaca cctctggtca atggaatgga gacgctaag acaaaggtat 240
tcaaaccagt gaggattaca gattc 265

<210> 44047
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 701043341H1

<400> 44047

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gaacatcaaa tggagatatg gtgctcctcc aaattatgac gttgtcaaca aattatttga 120
tgaaggcaga accaaggtat ggccctgggt tcacttgaag aaaaggtgca gacttttagtg 180
aagaattggg agatggaaat gttccacaag gaggatttca aggataacag atcagtggaac 240
ccagagaaat acactttcag cctaaacgga agg 273

<210> 44048
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 701043342H1

<400> 44048

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tacgactccg tgaacggcgg aggtgatgtt tggatcaacg agaaccgttt ccgcatcgtg 120
cgccagtacg gagaaggtgg cttccctacg tctacctcgt caaggagggt cccgacgact 180
ccgccgccgc tggcctcgcc aagaagctca aaggctcctc tcattctctcc gatgatggac 240
cttatgctat gaaaaagggtc ctcattcaga aca 273

<210> 44049
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 701043343H1

<400> 44049

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agcaaacttc tgacacgtca agtgatgacc cgagacatca tagaattttt tgtcagaaac 120
atggtaaagt aacatttggg tgcaactgca atgcacatgt ggtacatgct gattccagtg 180
actatggtgc cttggatgaa aaatgcatac acttggccga gctagcagcc actgctgtcg 240
attttccaaa gaccgggaag cttgtcacta tg 272

<210> 44050
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 701043344H1

<400> 44050

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tagctgctaa tagactcgcc catcatgcc tcaaacttgg tggcattggc tttggagcct 120
ctatccccgg attgtctgct gccatgctgc tatttatctg ttgattttgg atcgtacaaa 180
ctggtaaaca tatattctca cagcactact cattccatac attttcttca gcttgccttc 240
agtaattttc gacgtcttca ggggagagc 269

<210> 44051

<211> 274

<212> DNA

<213> Glycine max

<223> Clone ID: 701043345H1

<400> 44051

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ctgttttctg ctcttattcg taacacttcg gctattctgt tcgtcgctta gacgagtctc 120
acagatgggg agagatggaa atgggaacac aacgatcgct ttcactccat tcaccagtac 180
gagaccgatg atctgaccgg tgcggttcat aaccctcgat cttgtcgaga atgggtgggt 240
ttgtttactc tgacgttgat gctgcttata agtg 274

<210> 44052

<211> 129

<212> DNA

<213> Glycine max

<223> Clone ID: 701043346H1

<400> 44052

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tcccatgata gataatttgt tattgtttac cctttccaag ctattatgat agtattttcc 120
ctatgtaac 129

<210> 44053

<211> 274

<212> DNA
<213> Glycine max

<223> Clone ID: 701043347H1

<400> 44053

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aataatccca gaatattttt atcgtaataa ttcaaggaga gtcaatgaat tggccttcct 120
agttcaacaa ttttgtattt gacgttgtgg accatcctac atttttacat cttcagtatt 180
tttctactat ctttagtgta tattatgtat atatTTTTat acattatctt tagtatatta 240
attaattaat ctattaagta cgTTTTgttt tatg 274

<210> 44054
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 701043348H1

<400> 44054

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tagaatcaag aaggatgcca ctgaattgat agggaatacc ccaatgggtat atctgaacaa 120
cattgtggat ggggtgtgtag cccgtatgct gctaaattgg agtacatgca agcgtgctgt 180
agtgtcaaag ataggattgc tttgagcatg attgaagatg ctgagaaaaa aggccttatt 240
acacctggaa agactgttct gggtgagtat acaa 274

<210> 44055
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 701043350H1

<400> 44055

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tcattcattc tcatttttct ctcttctctc tccacccaaa ccctaactcc cgaccctgtt 120
cccctctcgt atccgtcatg aaagaggaaa gtccaagacc gaatctaaga gagccgatcc 180
caaacttgct gtgaataaga agggagccgc caccaagcta ggaaaccgc cggcacaggg 240

taggcagcga aagaccctaa caagc

265

<210> 44056
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 701043352H1

<400> 44056

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acccggcgcc ggaaaagcag tgaaagtgtc ggagccgatg aagaaaagtc gccgaggacc 120
acgctcgcgt agctcacagt acgaggagtt actttctaca gaagaactgg tagatgggaa 180
tctcatatat gggattgtgg aaagcaagtg tatttgggtg gatttgacac agcacatgca 240
gctgctcgtg cgtatgatag agcagct 267

<210> 44057
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701043353H1

<400> 44057

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cccagttcgc gttctcgtca ctggagccgc agggcaaatt ggatattgtc ttgtccctat 120
gattgctagg ggagtgatgc tggctcctgac cagcccgta tctccacat gcttgacatt 180
cctccagcag cagagtcgtt gaatggggtt aaaatggaat tgggtggatgc tgcattccct 240
cttcttaaag gtgttggtgc tacaaccgat 270

<210> 44058
<211> 172
<212> DNA
<213> Glycine max

<223> Clone ID: 701043354H1

<400> 44058

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aatttctttg atttgcagca ggggaacaac aaaattaatt tgtttaagtt ctgatttcca 120

tcttgtaatt gtgtttcata aattcattga tctggcttca tgtttgttgc ac 172

<210> 44059

<211> 272

<212> DNA

<213> Glycine max

<223> Clone ID: 701043355H1

<400> 44059

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agagaagcat tcataggcgc caattgtgag tgagacagaa gtttctgttt tttctacttt 120

tccatttttt tgggagagag agaggagaga tctgattctt caccataact gtcattgctt 180

tgtttctctc actcagcaca agttgacaag aagggcattg ccatttcaat cccatacaaa 240

aagcacacac cccaattcac caccattttc ct 272

<210> 44060

<211> 272

<212> DNA

<213> Glycine max

<223> Clone ID: 701043356H1

<400> 44060

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cgcttcgaat ctttgaattc attcaaagat ctccctctac gcatatcagg gcactatggc 120

tgccacggtg aaacaaatgt ctttatcgtg tcaactgttg gtgtggtgtc cttcattttg 180

ggagttgttg ctgaaaacaa gaagcctgtg gctggaacac ccgtgcctgg ttcggatggg 240

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<210> 44061

<211> 192

<212> DNA

<213> Glycine max

<223> Clone ID: 701043357H1

<400> 44061

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aaggactggt tatatgcagt ctttcatgga tagtttgata gtcctggctg gttggcatga 120
atggaatggg aatttttcac tggcaccttg tactacgcag actatgataa cacaggtcct 180
ggttcaaaca ct 192

<210> 44062
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 701043358H1

<400> 44062

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ggagacctgg ctgccgatgt tacggattat cttcttcaag agacatttcg ggcacgatat 120
ccctcaatta agggggccaa agtgtaattg ataggctaac tggacggaca aagggttatg 180
gttttggttag gtttggagat gagagtgaac aggttagagc tatgactgaa ctgcaagggg 240
ttctttgttc aacaaggccc atgcgaatt 269

<210> 44063
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701043360H1

<400> 44063

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atgctgaacc cgaagccgcg cttcttctaa tcacacgacg actcattccg tatacttcac 120
actctcgtca acaatggccg atgtgccgga gccacagtga gtcctcttat cggtgacacc 180
aacgctgcgc agaagaatgt gttcgatttg ggagcgtttg ttggagacct aactttggaa 240
gatgatccaa gcagcgatga tatatcattg g 271

<210> 44064
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 701043361H1

<400> 44064

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 gacaccaaag acagcagaag tggtgtttga gggagatggg ggagggttact acacttggtg 120
 gagttctaaa gtgccactgc tggcaagacc aatgttggtg ctggtcgggtt agtgcttcag 180
 cctcagggct ttgctattcc tcattattca gatatatcca aagtaggtta tgtgcttcaa 240
 gggaacgatg gcgtactagg gatggccctc cgc 273

<210> 44065

<211> 272

<212> DNA

<213> Glycine max

<223> Clone ID: 701043362H1

<400> 44065

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 tcattctctcc tatgtctaag tctgcatggg aggagattga gactgggtac ctgatgcaat 120
 ctctctcccat gcaagcccta gttacattg tcagcagcag agctttctctg aacctatgag 180
 gaatcatatt tccggttctg atgtttcccc tatccagagt ctactagggt cattctccca 240
 ggatggaaca tcccagttac ttaacttgcg tg 272

<210> 44066

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 701043364H1

<400> 44066

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 gcttcctttt gtttcaatgt tttggcttgt gttcctaagt ccttttagtga actgtcaact 120
 ttattataat ttctatgact cacctgtcca aacctgaccg gaattgttcg atccaacgtg 180
 tggtcageta tggccaagga tgcaagaatt gctgcttctc tcttgcgctt tcattttccat 240
 gattgttttg tcattggatg tgatgcatct gtgct 275

<210> 44067
 <211> 138
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043365H1

<400> 44067

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 aagctctggg tctattatga atatggaaac atagaagaga ttctcaaatt tgaatctaac 120
 atacccatac cagacatc 138

<210> 44068
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043367H1

<400> 44068

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 acttatagaa gttcatgcaa caactcgagg tggtcaccat aggggtaaag tagattagat 120
 ctacagttgc tcctgatgta cacctccaat ggatgctgag gagtatgctg agtgtgaggc 180
 atgggtacag gactttcctg cccttcgtga agccatgaag aagagagggga ttgtggatat 240
 ggatctcgtg atggtagatc t 261

<210> 44069
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043368H1

<400> 44069

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 agcctgcaac cgagaagaga gaggattttg ggaagttgca gtacggatgc gagcactata 120
 agagacgatg caaaattcga caccatgctg caatcagatt tttccatgtc gtcactgcca 180
 caacgacgcc gcgaactcat ctagcaaccc cgcagatcgt catgaacttg ttagacgcga 240

09531113.032200

tgtaaagcca gttatatgct ctgtct

266

<210> 44070
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 701043369H1

<400> 44070

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ttaattctca tatctcaaaa tcattcacccg ttttcatttc attctaacta atctttccag 120
aacccctcgaa tctcttcttt gaacgtgcaa agatttttga cttgaccgaa tgctgttgcg 180
gttgaaatcg gtgtgagaaa taggggttctg acgatgcctt cgcttccctt tggactcctt 240
ctacgccatt tggtccttc cttggccc 268

<210> 44071
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 701043340H1

<400> 44071

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ttcttttgtt tttttaaaac ataaaaattg tttaaactct ttgccatggg aaccagatt 120
ttgcggcctc aggactgttt cgtagacgaa tcatgtctcc tcccgctgac ttttcccggc 180
ggaggagtcc cggtaaactac tgtaattatt attaccacag caaccatgtt gccacttcca 240
ggtcgtgccg gacaccggtt gcccgaccgc at 272

<210> 44072
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 701043310H1

<400> 44072

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attattttatt aattgtgcac tccttttggg tctctaatat ttatttcac cgttttctta 120
 aaacaaaagc ctcttcaa at tctccaacac taataaccaa aatggccact gaaaagctta 180
 gaagttgtgc aaacttcctt gagaactcta aaccctactt tgccatgatt gctatacaat 240
 ttggctatgc aggcataaac attatcacta agat 274

<210> 44073
 <211> 276
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701043311H1
 <400> 44073

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 accccagtat ctacttctgc cggcaacttt gctgttggg aaaatgccaa tggttcagag 120
 acaatccaag atgatgtgga agtggaggga gcagtgatcc ttcatttgac gacagtgttc 180
 agcatgcttt agttgttggg gactacaagg gggcagttat gcaatgcatt tctgcaaata 240
 aatgggctga tgcattagtt attgctcatg ttggga 276

<210> 44074
 <211> 276
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701043312H1
 <400> 44074

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 atgcgaccca ctttctagaa cctcgccgtg tgccggaaag ttcactcctt tctcactttt 120
 ccgcagcaat gtcaatcttc gacggagctt catgaacacg caactctcca agcacacttc 180
 gatcttcggc ctccgtctct gggtcgtgat cggaattctc atcggagtct tcacgtctt 240
 caaggtcttc ctctctacc tctgccttgt ctctcg 276

<210> 44075
 <211> 279
 <212> DNA
 <213> Glycine max

002230"ETFE560

<223> Clone ID: 701043313H1

<400> 44075

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ccatggaagc tatgacttca tctttgttga tgcggacaag gacaactacc tcaactacca 120
caagaggttg atagagcttg taaaagttgg cggcgtgatc gggtagcaca acaccctatg 180
gaacggatct gtggtggcac cccctgatgc tctcttagg aagtatgta ggtactacag 240
ggacttcgtg ctggagctca acaaagccct cgctgtgga 279

<210> 44076

<211> 280

<212> DNA

<213> Glycine max

<223> Clone ID: 701043314H1

<400> 44076

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gaaaacatca aggaggttga tgttgccgat ttgctgcta cccttctccg caaaaaattc 120
aacaactaat ttcaacaatt ttaatttttt ccaaaccctg ggtgattgat tcgttatgga 180
attaattttg atactcatat gctctgccca cttcattat acgattgcta tagttttaca 240
agtcagtaga ataactatta gcagctaata agaattgtaa 280

<210> 44077

<211> 276

<212> DNA

<213> Glycine max

<223> Clone ID: 701043315H1

<400> 44077

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tttgaatggt cttccggttt tacatcaaga tttggaatga tttatgtaga ttacaaaaat 120
gatttgaaga gatacaagaa attctctgca tatggtttga gaattttctg aagaaagaaa 180
ccaaactata tggttctagc aaatagtatt atgaaatttg tttacaaaat agttatatat 240
atttgtaa atattattga tttgtatttg gtcatt 276

09531113.032200

<210> 44078
<211> 153
<212> DNA
<213> Glycine max

<223> Clone ID: 701043317H1

<400> 44078

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aggaggcatc tgaaagtaag aagcataaac ttgcagagtt ggggaatgcc ttgcttacag 120
atccagagtc caatattaaa tttctgaagg aga 153

<210> 44079
<211> 277
<212> DNA
<213> Glycine max

<223> Clone ID: 701043318H1

<400> 44079

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tgttcgtctg tgtcgtggaa gtgggttggt tcataattcc ttcgctctct gagatcgtgg 120
agaatctcgt aatttgaagc taccaccatt gccaaagttg agatttttac gcacctaaga 180
gtaatgcaag accttttaag aaagattagg tactgggtat cttgtattcc aactccatca 240
ggatgttggg gaggaaagag atatggccgt cgctagc 277

<210> 44080
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 701043319H1

<400> 44080

accggaatca gaggctcccc ctaacttctg gggccacacc ccggaagaag aatactacac 60
ctccaaggc gttcgcaaca ccaagtccca cttcgaaacc cccaacggca aaatcttcac 120
ccagtccctc ctccctctca acctccaacc caccaagtca aagccaccgt ctttatgacc 180
cacggctacg gctccgacac cggctggctc ttccagaaaa tctgcatcaa cttcgccacc 240

002250"ETTESO

tggggctacg ccgtcttcgc cgccgacctc ctccg

275

<210> 44081
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701043321H1

<400> 44081

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ttttcaagtg gaaaaaacct ggagatcccc acgagtttga gcaatgagat ttggatgcgc 120
ggtttttagtt gtgatcaata agtcgaagtt agaacaatag tcttggtata aggaccttgc 180
caataatfff ttagttctga ttcacagagc taagacagtt ccgtcttaga ctttaaaagt 240
tttgatattt agctttaata cttgaagttt a 271

<210> 44082
<211> 276
<212> DNA
<213> Glycine max

<223> Clone ID: 701043322H1

<400> 44082

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accactgaaa tcgggggttca tgcaaccgct acaaagtggg tcaacctctt cgcaacacaa 120
ctccatcatg ttcaaaacct aactgataag tgcattggaac caagctgcat caaggtgaag 180
actggcatca caacgagaca gtcaagcact ggacttatac catagatggg aaggttacia 240
catgtctgga gagtattgaa tccattgatg aacaga 276

<210> 44083
<211> 278
<212> DNA
<213> Glycine max

<223> Clone ID: 701043323H1

<400> 44083

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ctcttgacagg agagagccat gtccatgcat cgctacctga ggaagattat tgggaagctg 120
 tttggccaaa cactcccatt cccactgcct gcgagagctt ctaaagcctc tccctgcagc 180
 gtgttgaacg cgatgaactc cctaagcaaa ttgatgatac acagtacca aaaacattct 240
 tctataaaga agaccgtcat ccaggcaaaa caatgaaa 278

<210> 44084
 <211> 279
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043324H1

<400> 44084

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 accaccttct ccatctctc ctccaccata ccattacaca tcaccacctc ctcttcccc 120
 agtccccgt cccaagtaca ttacaaatc cctccacctc cagtttacat atatgcttcc 180
 ccacctccac ctatctacaa gtaagttcga attgcggaag accattcacg ataaatcatg 240
 ttctagtttt tctcgaggaa taaaggcaag ctctatttg 279

<210> 44085
 <211> 272
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 701043326H1

<400> 44085

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 caacgtaca catagccta tcaagagccc atgccagttg agcagttagt tcagtctctc 120
 tgtgatacca agcaaggtta caccattcg gtggtcttcg gccatttgga gtctcgtttc 180
 tgtttgcggg atgggacaaa aactttggct ttcaacttta catgagtgac cctagtggan 240
 attacggtgg ctggaaagct ggagccattg gg 272

<210> 44086
 <211> 274
 <212> DNA

<213> Glycine max

<223> Clone ID: 701043327H1

<400> 44086

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 ctaactctaa gtcacttttg tcttctcctt cactctcttc aactcaaacc tcacatgggt 120
 tatggtgttg tgttgttatt agcttgactc actcccaacg tctcttttct ctttgttttg 180
 attgcaatat tgtaacgctc gcattccatt tattgcttcc tttgacttgg cttecttctt 240
 ttgcaagagt ttttcttttt cttctcttcc tctc 274

<210> 44087

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 701043328H1

<400> 44087

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 cttctccgtc tttgtcttct ctgtcttaat cttcaccgtc atagccataa cctaccatcc 120
 cccagaccca tggctcgagt ccacccctcc ctaaccaacc tcttcaccca atcacaaaat 180
 gccactttcc gaatcgactc ctccgtcttc aaaaccggcg aagacctcgc tccctcgccg 240
 caagaccctc cctcccgctc gccgccaccc tccgc 275

<210> 44088

<211> 277

<212> DNA

<213> Glycine max

<223> Clone ID: 701043331H1

<400> 44088

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 ctaggtaag gtcgagatct aggtcgaggt ctaggcctag acaaaggcca agatcgcggt 120
 ctagaagtcg tggcaggta aggtcacat tcgtggaagg tcaaggtcac caattcatgg 180
 aaggtctgaa cctacaaatc ctggtgacac actttatgta actggtctat cttcgagggt 240

caccgaaaga gacctagagg agcattttctc caaggaa

277

<210> 44089
<211> 280
<212> DNA
<213> Glycine max

<223> Clone ID: 701043332H1

<400> 44089

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accatcgtaa gcatcaaggc ccgccagatc ttcgacagtc gtggcaatcc aactgtcgag 120
gtggatttga cttgctccga tgggtactttt ccagagctgc tgttccaagt ggtgcatcca 180
ctgggattta tgaggccctt gaattgagag atggaggatc tgactacctt ggaaaggggtg 240
tatcaaaggc tgttgacaat gtgaacaccg tcattggccc 280

<210> 44090
<211> 191
<212> DNA
<213> Glycine max

<223> Clone ID: 701043333H1

<400> 44090

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aatttcagtt tcttcccaga ttctaccttc ttgtttcctt atccattctg ttccttgac 120
cctttcacgc tcaagctaaa attaaaggac ttactgcat aagaaggcag actatgctgt 180
gaaggtgtct g 191

<210> 44091
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 701043334H1

<400> 44091

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gaaacgggtcc tccccggctt tccatttttt ctcttctgat gaaatttttag ttcattccag 120

ttgctgattg agattgaatt taaattgaaa aagcgtactt gtgdcactgt acttttagag 180
 tctgcgggta aggggctagc ctatcgtagt tttgcgtaga tctagtgtcc gtgaacgcgt 240
 taccatttca cc 252

<210> 44092
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043335H1

<400> 44092

cgatcagatc ctcttcagat tcggatcacc gccgagtcca tgagcacgcc agcgctttca 60
 gggggcacgg gcctcttctc tggattcacg cgtttatgca agggccttgc ggtgggtgctt 120
 gtttgcggtc acattgcggt tcagttatcc cttcagctgt taactatctt gctcttattc 180
 ccgccaggac aatcccatctt gcctggactc tcattacagc tggatatgtt gaacaatcta 240
 tatatgggggt agtggtcagc acattaagtc t 271

<210> 44093
 <211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043336H1

<400> 44093

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 ggctttttgt caagaatagg aaaaatgaag ccgttgatgt gctttctaag atctttgacg 120
 ttgctcgctt agaagacgaa gtcgatttcc tctactgtca atccgagcaa gagcgccaaa 180
 gaaggatcaa tatcaaattc tgggatgttt ttagatccaa agaaatcaga ctggcattcc 240
 tcgtcggtgc cggacttctg gcttttcagc ag 272

<210> 44094
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043337H1

002230.E11E560

<400> 44094
gtttcgttcc gtttcaatgg ggagcgaaga gcagaacggc gaattctacc tgcgttacta 60
cgtcggtcac aagggcaagt ttggtcacga gttcctggag ttcgagttcc gccagacgg 120
caagctccgc tacgccaaca actccactac aaaaacgaca ccatcatccg caaggaggtt 180
tacctaaccc ccgccgttct ccgcgagtgc cgtcgcatca tcgccgagag cgagattatg 240
acggaagatg ataacaact 259

<210> 44095
<211> 88
<212> DNA
<213> Glycine max

<223> Clone ID: 701043338H1

<400> 44095
cagaaagaca gtaagtgaga gaggagcatg gcagttgttg aaagaaggag ggaattgata 60
ttcaggtcga agcttccgga tatctaca 88

<210> 44096
<211> 276
<212> DNA
<213> Glycine max

<223> Clone ID: 701043309H1

<400> 44096
caaacttcaa caacaatttg atagctacgt gtcccaatgc cgagtcccc aacaccgtta 60
atttgacgt gagaaccccc gtgaagttcg acaacatgta ttacatcaac ctcttgaacc 120
gccaggagt gttcacttct gaccaggact cgcgggcagc cccaaaacca aggaaatcgt 180
gaaccagttc gcttcagacc agaaactgtt ttttaagaaa ttttccgatg cttttgtgaa 240
ggtgagccag ctagatgtga taacggatcg tattgg 276

<210> 44097
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 701043265H1

<400> 44097

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 ctgatgacat atgttcacaa gttggtttat gttcttccaa aaggcatgaa tctaagagtg 120
 ctggaattga aatgggtgact gaaaaggagc agggagagtt gacggcaaga gataatcctt 180
 tgtgttcttc ttgtcagatg cttgttcttt ggatccagaa tcaactaaaa caaaaggcaa 240
 cgaag 245

<210> 44098

<211> 217

<212> DNA

<213> Glycine max

<223> Clone ID: 701043266H1

<400> 44098

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 ggcagaaagc gctgaacgac agaaactacg aactcctgga tcgctcgag cgcccttct 120
 acctcttggt tgctgtccag cgttggctca ctcttggtct ggatctggtc gtcgctgcc 180
 ttgccgtact gctgatggtg ctagtggtta cgctccg 217

<210> 44099

<211> 191

<212> DNA

<213> Glycine max

<223> Clone ID: 701043267H1

<400> 44099

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 tcagtagttt gttccaagtt tctgatcaat ggaacatagt ttgaaaagaa agtctccaga 120
 gagtggagac aatttactct tcaacagatt ttctctggat gaccttaatg aagatctctt 180
 ggagagggta c 191

<210> 44100

<211> 144

<212> DNA

<213> Glycine max

<223> Clone ID: 701043268H1

<400> 44100

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ctcagacgta gtcaccaaca ctgatcaacg cgactatggc atctgcgttc gacaagctcg 120
tcgactcccc catgtaccag agac 144

<210> 44101

<211> 163

<212> DNA

<213> Glycine max

<223> Clone ID: 701043270H1

<400> 44101

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agggtggacgt gttcgcaccc tgttatccgg agctgctcct ttgcctaggc atgtggaaga 120
gtttatgagg gtcactagtg gatctacatt atcacaaggt ttt 163

<210> 44102

<211> 160

<212> DNA

<213> Glycine max

<223> Clone ID: 701043272H1

<400> 44102

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caagcccaat cgggaccgta ccccggcggc gccgtggaag tgcagggtgca ggtgcagggtg 120
caggcgcggc cccgttccag cacctgctcc agcagcagca 160

<210> 44103

<211> 197

<212> DNA

<213> Glycine max

<223> Clone ID: 701043273H1

<400> 44103

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aagaagagag gtcacgtcag cgccggacac ggccgtatcg gaaagcaccg caagcatccc 120
 ggaggtcgcg gtaacgccgg tggcatgcat caccaccgta tcctcttcga caagtaccat 180
 cctggtttct tcgggaa 197

<210> 44104
 <211> 214
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043274H1

<400> 44104

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 atttccttac ataccttggg gatgtaagat ctgagtggaa gtcctataag acgcgtcaga 180
 aggaacatga tgagaatgtg aagaaggtta tcaa 214

<210> 44105
 <211> 230
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043275H1

<400> 44105

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 ctcagggtgt ctctagacaa agagaatttg acctttgtgg caaggaaaga gagaattttg 120
 tgccttgta caatgtttca gccagtttgt tagcagggtt taaagacgga gaggagtttg 180
 accggcattg tgaactgtta gttgaagcag agaggtgttt ggttcgcct 230

<210> 44106
 <211> 162
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043276H1

<400> 44106

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gccactattg tgttcatgta cacaatcttt gagcgcttct tccctccaca cttgcgtgaa 120
 aaacttcaag cctatactca aaaacttcac aaccatttca ac 162

<210> 44107
 <211> 234
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043277H1

<400> 44107

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 caatcttcta atgcggaacag atttaacatt cttgcaaata cagagaaccg attgcctgca 120
 acttctggag ttgctaaatc caaacccaaa acaaagcctg agaagggaat gaagataaag 180
 tacattccca aacaaaaaga agcaacctag taagaagaaa caagaagaaa ttgg 234

<210> 44108
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043278H1

<400> 44108

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 caaccaataa tagctttcgc agcaaaagca acgattcaaa ttcaacctcc tcagatggca 120
 cattctttct cgccagccaa acgcgccctt gcctttgccc ttcaacggcg agggtagcga 180
 gtggcgtctg atgcttctcc ttcatgaga gggggattgg atagcattag tgtaatg 237

<210> 44109
 <211> 234
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043279H1

<400> 44109

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 tcctccgcca gatctcatcg tcgccgtcgc cgaatttctc cttggcgttt tgtctccgcc 120

tctcactctc gttgaagctt attaagtacc gatagcatgt gccggcaaaa ttctccggta 180

caccatgccg gtgaagaaga aattgcagct gatgatagcc ttttgattta ttgc 234

<210> 44110
<211> 225
<212> DNA
<213> Glycine max

<223> Clone ID: 701043281H1

<400> 44110

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ctagaacaac ttgctttggg ttttgtaact tgaaatTTTT gtgtttatct cgagaaaacg 120

tggattcttt taatcgtaag gacttttgaa aaatagtTTA ttgcaatctg ttccgtagac 180

aatctctttt tatctttgaa aaaaaaaaaa aaaagggcgg ccgcc 225

<210> 44111
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<223> Clone ID: 701043284H1

<400> 44111

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ttgctgattt tctctttgca gttggagctg tggagctggg caggaaccaa cccactgaaa 120

gaatttcagg tagtgctggg gatgtattgg aagatgatcc agtgggaagg ttaaagggtt 180

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<211> 154
<212> DNA
<213> Glycine max

<223> Clone ID: 701043285H1

<400> 44112

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154

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<223> Clone ID: 701043286H1

<400> 44113

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agtgategcc ccactattct aactgcaaat agtcaaggca cca 163

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<211> 211
<212> DNA
<213> Glycine max

<223> Clone ID: 701043287H1

<400> 44114

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acccctttct ctctcctcct tcccccttta atttcctttt ccttcttaata tgtcttaatt 120

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ccatcgccac cttctaggtg ggatccaggg t 211

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<211> 131
<212> DNA
<213> Glycine max

<223> Clone ID: 701043288H1

<400> 44115

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cgaaagctcg g 131

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002220"CTT560

<211> 150
 <212> DNA
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<223> Clone ID: 701043289H1

<400> 44116

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 <212> DNA
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<223> Clone ID: 701043291H1

<400> 44117

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<223> Clone ID: 701043293H1

<400> 44118

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<210> 44119
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 <213> Glycine max

002250"CTT560

<223> Clone ID: 701043295H1

<400> 44119

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aagagccagt ttctcatgtt gtggctcgtc cttctccaag tgatattctt gagtggcatt 180
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<210> 44120

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 701043301H1

<400> 44120

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ctcgcaattt aacgaaaccg aggaagagaa atctgggcac cttcaaaat tcgagatttc 180
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<210> 44121

<211> 274

<212> DNA

<213> Glycine max

<223> Clone ID: 701043302H1

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acgcgtattg aaggtgatta caaggcaatt gtacagaacc gcaatccatt aatccctcct 120
atatttgga cagatgaatt tggctggtgt gtgagtggaa tccagctatg acgaagttaa 180
ctggatggaa gcgagaggag gtgattgaaa aactgcttgg ggaacttttt ttggaccccc 240
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<210> 44122

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 701043303H1

<400> 44122

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 tttgtatcta atgttgaaaa ccattttttg ctggaaggct ctttaatttg tagcactttt 180
 ggagtccaaa gttccgacca aaaaaaaagt gaaagatata aaaaaaaagg gggggcgccc 240
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<210> 44123

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 701043264H1

<400> 44123

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 aattgaaatt tcttatccgt tttggcgaat tgaactgcgt gttcaattgg gttgttgaat 180
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<211> 276

<212> DNA

<213> Glycine max

<223> Clone ID: 701043305H1

<400> 44124

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 ggaaggccat tctcatcaat ggccaaaggg aatcctcatc tctggctcca ttcactaccc 180
 cagaagcacc cctgaaatgt gggaggatct aattcggaag gcaaaagacg gaggccttga 240
 tgtcatcgac acttatgtct tttggaatgt tcatga 276

<210> 44125
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 <212> DNA
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<223> Clone ID: 701043307H1

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 aagtaaacia acaacactct cacattcacc acaacacaaa cacaacaca aacaaagaca 120
 acaaccttgt ttgtctgcaa tcaaaacctt caagctggcg ttcgagaacc aagacacccc 180
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<210> 44126
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 <212> DNA
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<223> Clone ID: 701043308H1

<400> 44126

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 tatcgagggt gagggccctc gtggaaaact gtgcgagact tccaccatct gaacttggac 180
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<223> Clone ID: 701043222H1

<400> 44127

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002230-ETTES60

atggttaacg gatattaaag acacctctaa agaaggatat agttttgaag 170

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<212> DNA
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<223> Clone ID: 701043223H1

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aatccactac cactggtcac ctgatttaca agcttggagg cattgacaag cgtgttattg 180
agacgtttga gaaggaagct gctgaga 207

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<212> DNA
<213> Glycine max

<223> Clone ID: 701043224H1

<400> 44129

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tggcgtcatg tatctcaagg ggattggact caatagggat gttaagctcg cctgtaagtt 120
ctttgttttc gccgctaacc atggc 145

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<223> Clone ID: 701043225H1

<400> 44130

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ctccggaacg acttcgataa ctgttccaat ctctttctc agctaaaggt gttacttaca 180
ggtttcagaa gcctgccacc gttgtttgca gatacaccta atgcag 226

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<223> Clone ID: 701043228H1

<400> 44131

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 tgttacgtct gcactgataa tatggaaggc attgatgtgc gttactggca gtgaatctcc 180
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<223> Clone ID: 701043229H1

<400> 44132

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 aacgtagcct tgaatactct gttcaaagca gctaccttga gagggatgag ttaccatgtc 180
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 <212> DNA
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<223> Clone ID: 701043231H1

<400> 44133

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 ggtgctggac tcaactggtg gcaggttgga gatctttag cttatgcagg tcaaccaatg 120
 ggttcatatg ctgaagagca gatacttcct gcaaataaag tagtcctgt tccttcgtca 180
 attgaccag ctgttgagc atccatcatt c 211

<210> 44134
 <211> 244
 <212> DNA
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<223> Clone ID: 701043232H1

<400> 44134

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 ataccgagtc caaatttcca caaattaaag ctcacccatg gcacaagatc tttcacaagc 180
 gcttacctcc tgaggctgtg gatctcgtct caaggctact gcaatactct ccaaactctc 240
 gatg 244

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<223> Clone ID: 701043233H1

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 ctcgaaacat cgataacaac aacaacgttg atgatgatga tggtatcctc aatgcgggtc 180
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 <212> DNA
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<223> Clone ID: 701043234H1

<400> 44136

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 gaccgccctc catccccttt caactttact ggtgcgcccc taactgccaa tcttgccact 180

002220-ETFE60

ttaactggca ctagagttag caagattgct ttcaattcca cagtggagct agttttgca 239

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<223> Clone ID: 701043235H1

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gtggtgactt ttgctccac tggcctgaca actgaagtta agtctgtgga gatgcacat 180

gaagctctcc aggaggccct tccaggtgac aacgtaggat ttaatgtgaa gaatgtt 237

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<223> Clone ID: 701043236H1

<400> 44138

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caaataaaaa ctttctgcga acccatacaa ctgctgtttc ctccaggatg ctttaccat 180

tagcacagaa accatttgcc cccaaaaaaa tatttcteta tag 223

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<212> DNA
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<223> Clone ID: 701043238H1

<400> 44139

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002220-ETFE560

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cgctctgagc tgaaagatga acagaaattc cgcgag 156

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<223> Clone ID: 701043242H1

<400> 44141

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caagactatt tttagcttta gagttcctga tcaaaggctt ggaaagggtg aagtccagta 180
cttgcagac tatgctggaa taagcaccag tgtgg 215

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<212> DNA
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<223> Clone ID: 701043245H1

<400> 44142

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ttgcccttct tggagttgga catcaagat tatgacttag gccttcctta ccgtgatgag 180
accgatgata aagttacaat tgaaagtgcg gaagaactct caagtataat gt 232

<210> 44143

002220"ETTES60

<211> 239
<212> DNA
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<223> Clone ID: 701043246H1

<400> 44143

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atgcagagta cctcaaggag gtcgacaagg ctgcgcgca tctccgcgca ctcacgcta 180
acaggaactg cgctcctctc atgctccgat tagcctggca cgatgccgga acttacgat 239

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<212> DNA
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<223> Clone ID: 701043247H1

<400> 44144

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gacaagtcaa ggcagatcca gacagaagat cccggtagaa gctatctgcg gacagtcagc 180
gcgactgcgt a 191

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<223> Clone ID: 701043249H1

<400> 44145

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ttcattgcgg atctgaattc gcagtgttag ggctttgaag ggtttttcca ttttcttcaa 180
tggccacgcc ctttccatt cccgtcaccg cagctcaggt tggaacgtac ttcgtagga 239

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<211> 233
<212> DNA
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<223> Clone ID: 701043250H1

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cgcgagagagc accgcccga tggggcccta ttgggagacc attctgaggg attatctcga 180
caagattatc agatgttttg gtgaaaatga ctcaactgtg cagaactctt gtt 233

<210> 44147
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<212> DNA
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<223> Clone ID: 701043251H1

<400> 44147

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cgtcgtcct cgcgattttc aaattgggtga cccctctct gtcaaagtga acaagttatc 180
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<223> Clone ID: 701043252H1

<400> 44148

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cttcatctat cattatcagg ggtaatttca gcaacattca ctctagtt 168

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<212> DNA

002200"ETFE50

<213> Glycine max

<223> Clone ID: 701043253H1

<400> 44149

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<210> 44150

<211> 171

<212> DNA

<213> Glycine max

<223> Clone ID: 701043221H1

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cttctcaaca caaaatacac ccttctacat ggcgactcaa gctgagttcg aatatgaaga 120
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<210> 44151

<211> 166

<212> DNA

<213> Glycine max

<223> Clone ID: 701043254H1

<400> 44151

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acataccacc aatctctggc agccatgctt ccacaatata aaaatagcat ttctgtcagt 120
agcttacctc agtctgctgc tggtgcatct ggatatgggt tgggaa 166

<210> 44152

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<213> Glycine max

<223> Clone ID: 701043255H1

<400> 44152

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<210> 44153
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<223> Clone ID: 701043257H1

<400> 44153

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 ctcaggcatt gccagttata aagtcagtgg ttcaacgagc aattatccgt gagcgacgca 180
 tcggagcatc tcttctgcgc ttgcatttcc atgattgttt cgtaaattggg t 231

<210> 44154
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043258H1

<400> 44154

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 accaaaaagat ggtgactgta agctatttgg cttctcactt atcagtggcc ctactttacc 180
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<210> 44155
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<223> Clone ID: 701043261H1

<400> 44155

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09531113.032200

cgctgctttt gcttctgtag aagatgtctc tgcgagtgc gaaccctaac gccgaagtgc 120
tgaacaaatc ggcggcactt cacatgaaca tcaatgccgc caagggtctg caagatgtcc 180
tcaaaaccaa cctcgggtccc aaaggaacca tcaaaatgct cgttggtggt gccggt 236

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<223> Clone ID: 701043183H1

<400> 44156

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agatcaaggt cgtcaacccc atcgtcgaga tggacggcga tgaaatgact agggttatct 180
ggaagtcaat caaggacaag ctcatcttgc ccttcttga gttggacatc aag 233

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<223> Clone ID: 701043184H1

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ccgccgtgtg gccggtggtg cggcgcttcg acaacccgca ggcctacaag cacttcgtaa 180
agagcgacca ccgcctcagg aactaccggt ccgtcaccac gctccacggc gacgg 235

<210> 44158
<211> 229
<212> DNA
<213> Glycine max

<223> Clone ID: 701043186H1

<400> 44158

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 acctgggatg gtattggaag aatgtgatca aggagcaacc tatgccacaa gcaattaaag 180
 accttggtga ggattcacaa gcatcagctg cagggaagaa ggatcgttt 229

<210> 44159
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043188H1

<400> 44159

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 tgggtctcaa cttgaaagaa ccactagctg tgggtgaagga ggagatgaac aatgatggct 120
 gcaaaaactc tggcttcaaa aaaggctgga ttgcacagtg gccattctcg aacaaagtat 180
 ctgcccttcc acatttgatg tctttcaagg ctactcaaga tgataagact aag 233

<210> 44160
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043189H1

<400> 44160

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 tgacaattgg cgtgagcgac atctgtagct tttatgtcca cggaggaatc aatgcacctg 120
 tttttggtgg gtcttggtcg tcttcaactg gaaactatta cctactttgg tcagatcact 180
 ggggctaacc ctacaattcc tggaatgttt ccaaatatgt ttccgttggc ta 232

<210> 44161
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<223> Clone ID: 701043190H1

<400> 44161

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09531113-032200

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atgataaagc agtgtttggt gggagtagtt atgcatgaac aatgatattt ggttggttaa 180
ttgacttgcc cacataagta gcaccttcat tggtcacaca gtatatatga ccaca 235

<210> 44162
<211> 239
<212> DNA
<213> Glycine max

<223> Clone ID: 701043191H1

<400> 44162

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tgggagaaga gaagaagaag aagaagaaga tgggacagga tcagaaccag agatcgctga 180
tctacgcgtt cgtgtctcgc ggcacggtga ttctcgccga gtacactgaa ttcagtggc 239

<210> 44163
<211> 235
<212> DNA
<213> Glycine max

<223> Clone ID: 701043192H1

<400> 44163

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caagatcgcg ttcagatata ctacacaca aacaaaacca ccaatcccca atctctaact 120
tttcccgaga aaattttagt ttccattttc atgtctccct cagattcccg gaaaatatat 180
tcacaacatt aatttcgcac gtcggcctct gccaaactatc aagctccggc ttcct 235

<210> 44164
<211> 232
<212> DNA
<213> Glycine max

<223> Clone ID: 701043193H1

<400> 44164

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002250.ET.13.032200

agcttgtaaa cgggcacacc cttttctctc tctctctacc ccctttaatt tctttttcct 120
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tagccacgat atcatcacca tcgccacctt ctaggtggga tccaggggtca ac 232

<210> 44165
<211> 236
<212> DNA
<213> Glycine max

<223> Clone ID: 701043195H1

<400> 44165

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gaattataaa accattcaca gtcttgaacc caatttcact ctttgacact caaacacctt 120
ataagcctca atttcacaac caaaaatgca aagttcaatc tcacaatctg agatttgcatt 180
cactgattac cttctacccc aagaagttcc atctcaattt caatttccag atatga 236

<210> 44166
<211> 108
<212> DNA
<213> Glycine max

<223> Clone ID: 701043196H1

<400> 44166

agagaacttc aagtgagggg gagagtgccaa caaatctaga gctagcacta gtactctaaa 60
agcctactag agtcttcaaa atatgaccat gcatcgcgag tcttgggc 108

<210> 44167
<211> 179
<212> DNA
<213> Glycine max

<223> Clone ID: 701043201H1

<400> 44167

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ttatgcttta aaattctgaa actcacagtt tcaggcaaatt tttagcctaa agatctgtgc 120
gttgaccctt ggcaggttca gcttttggag ggggtggagt gggtcttcca cataagcca 179

<210> 44168
 <211> 226
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701043202H1

 <400> 44168

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 ctgttctttc taccacgac ttttctctca aaccaaccac atcattcaac tattgcactg 120
 ccaagggttg gacagtgtta cgtgcttcac gaaacatgac ctctgctcac gaccttactg 180
 ataatgaaga tgatggacag cagcagtcag aatcacaat tcagtc 226

<210> 44169
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701043203H1

 <400> 44169

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 caaccccgct actgaagaca tcatagggca tattccagcc gctactaagg aagatgttga 180
 ccttgcggtg gatgctgcta aaaagagcct tttcccataa caaaggcaaa g 231

<210> 44170
 <211> 212
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701043204H1

 <400> 44170

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 cctggttga agaaaggcac aaaaataaca tttcctggga aaggcaacca agaagcagaa 120
 gctactgctc ctgacgatct aatctttgtg gttattgaaa aacacatgct ttgttcaaga 180
 gagatggaaa tgatttggtt gtcacacaga aa 212

<210> 44171
 <211> 153
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701043205H1

 <400> 44171

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 caagtaccct cgcattagcg cgcctccaag aaataagctt gatcattatc agatcctgaa 120
 ataccctctg acaactgatt ccgcaatgag gag 153

<210> 44172
 <211> 168
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701043206H1

 <400> 44172

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 ttggtgctac agctgcaccc gtttcgtgca cctctctgtc caaagcacca tcgcctgccc 120
 ccactgtcaa agcggtttcg tcgaagagat ccgtgccggc gccggagc 168

<210> 44173
 <211> 168
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701043207H1

 <400> 44173

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 aaaccattt tcccgggaaa ttgccttgga aaagaaagag cgaagaggaa aatgcagaat 120
 cacaggctga agcagcagca gcagcagcaa caacaagctc ttatgcag 168

<210> 44174
 <211> 170
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043208H1

<400> 44174

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aaggtgctcc cgaactcggc gaatatggag gaagcgcgct accgagtctt cgaattcttc 120
agaacggcct gcagatcgct accctccgtt atggaaatct acaacctcta 170

<210> 44175

<211> 155

<212> DNA

<213> Glycine max

<223> Clone ID: 701043209H1

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tcactgttag caacaaggct tataggtgac gttgcagaag atggactgaa aaaatgaaaa 120
actatttctt agattctgaa acttaaaagt gtgtt 155

<210> 44176

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 701043210H1

<400> 44176

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gggccagcaa tctaattcttg cgaattcagt tagatggctc caaactccga gctccagtaa 120
cactgatctt tattctgagt tgaaggaact agttccagag tatcaggaac gtgttaagaa 180
gctgaagaaa gatcatggaa gtgttgaatt gggaaaaaatt actgttgata tggt 234

<210> 44177

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 701043211H1

<400> 44177

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 gttccactcc cttcccctat gttttttcct tctcttggcc ttcaacacaa aacccctcct 120
 agcagcagaa ccagagccag tgggtgataa gcaagggaac cctttggagc caggagtagg 180
 gtactacgtg tggccacttt gggctgatga aggaggcctc acactaggcc aaacaaggaa 240

<210> 44178
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043214H1

<400> 44178

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 cttccaaaga cgaagctgtt tccgtgggcc cctctctcgt ggggccgtat gcccctcccg 120
 gaccaggggt cgtcccggcc tggcccgatt tcggacaaat ttggagtttt gtcgccgccg 180
 ctgctgctcc cgaaatggtg tcggtgccgc agcagcagca gcagcaggct tcgttggtcg 240
 ct 242

<210> 44179
 <211> 228
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043215H1

<400> 44179

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 gatcatgtgt ggagctctta cgcgggttcc gctagctccg tcatcaaccc ttccaaggtc 180
 aaacagattt cctggaagcc aagagctttc gtttatgaag gtttcctc 228

<210> 44180
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043216H1

<400> 44180

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 cttgcctttt tttctgcttt tgatttgact ctttacaat acaaataaat aataaaatcc 120
 catcaagaag aaataaatat caagcccaac ccagtgcagt gctgcaggga ctgtcactga 180
 actcaaaaat gaactgtctt cggaatcttt ctcgattctc tgttttgccc gaaacacctg 240
 ttacgc 246

<210> 44181

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 701043217H1

<400> 44181

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 tggaattgaa atggtgactg aaaaggagca gggagagttg acggcaagag ataatccttt 180
 gtgttcttct tgtcagatgc ttgttctttg gatccagaat caactaaaac aaa 233

<210> 44182

<211> 78

<212> DNA

<213> Glycine max

<223> Clone ID: 701043218H1

<400> 44182

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 acaatctttg tctgccat 78

<210> 44183

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 701043219H1

<400> 44183

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gcgaatcaat cagccacgc caagccaagc caaagccaca atttcaccta tccaattatt 120
cacgacatgt aacaaaacga caatcacttt cgtcgttcgc caaattcgat tgcagagttc 180
ggccatggcg ctccgaaacg acggaagaaa aatttccttc gaggttctca gcgtcgag 238

<210> 44184
<211> 151
<212> DNA
<213> Glycine max

<223> Clone ID: 701043220H1

<400> 44184

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tgaagacttt gacatcgca ctgtgtcttc tcatcttgaa gatgaacatt cttgtgaatc 120
aagactcacg attgtccta tatgcgcgt t 151

<210> 44185
<211> 151
<212> DNA
<213> Glycine max

<223> Clone ID: 701043143H1

<400> 44185

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cgtgtcactc atttattgac ttcaaaatag atgagtgaca cgttgggtctt atccattttg 120
aagtcaataa atccattttg gcttccatta t 151

<210> 44186
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 701043145H1

<400> 44186

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tccatcagtt gttcagaagc tagcttgaca gtcgtacctg gtgtccaggc ttagccccaa 120

ctttaactct aggaattatt ctgcaactgg tgcttacgtc catggcggaa tgcactcgcc 180
 tgggttggct gttgtgtcac ctggatctcc agttactgtt catgctccag cagagaaagg 240

<210> 44187
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043147H1

<400> 44187

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 tgggaaatct acaacccttg ataatgaggc ttataagctt gcaccatgtg cctcagcagc 180
 acaagatgag aatgctagtg tttctcagag ttgctgtgct caggtgaaga aaattgg 237

<210> 44188
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043150H1

<400> 44188

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 ccatgaatcc cgaatacgat tatttgttca agcttttctg gattggagat tctggtgtag 180
 gcaagtcatg tcttctcctg aggtttgctg atgattcata ccttgacagc tatatcag 238

<210> 44189
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043151H1

<400> 44189

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gtcgcactctg ggaagtcaac taccactggc catttgatct acaagcttgg aggtattgac 180
aagcgtgtga ttgagagggt cgagaaggag gctgctgaga tgaacaagag gtcac 235

<210> 44190
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<212> DNA
<213> Glycine max

<223> Clone ID: 701043152H1

<400> 44190

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tcaaggaaac tgcgctatga tctctattcc tattcataca aagaagactc caacacccca 180
ttagtataa atgttctggc ttcaactcatt gagaggagca tggctagaac acaaagg 237

<210> 44191
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<212> DNA
<213> Glycine max

<223> Clone ID: 701043153H1

<400> 44191

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ttattcatcc ccatactcg cactgtctat tccgtcaata ttctctttc 169

<210> 44192
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<223> Clone ID: 701043154H1

<400> 44192

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ctttggtatg gtgctaagga aaccaatct acagatcaaa tattcctgta tgatgctaag 120
aaaacccaat caacagatca agttcctcct atcttttatg gtgataagaa aaccaatca 180

acagatgaag ttcctcctat cttttatggg gctaagaaaa ctcaatcaat ag 232

<210> 44193
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<212> DNA
<213> Glycine max

<223> Clone ID: 701043155H1

<400> 44193

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gtattcattg ctatctatgg ttatttttta tttattttta aattttgcct tataagtatc 180
tcttttcagc caggggtagg aactgcctac actatctgta gttttatata aa 232

<210> 44194
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<212> DNA
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<223> Clone ID: 701043156H1

<400> 44194

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tctgatggga tcatggtggc tcgggggtgac cttggtgtcg aaataccact tgaacagatt 180
cctacagtcc aagaggatat aatttacgta tgcagacaat taaacaagcc agtgatt 237

<210> 44195
<211> 239
<212> DNA
<213> Glycine max

<223> Clone ID: 701043157H1

<400> 44195

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tctgcagctc aatggagcag tactaattca agaggaatga caaaagatgt actcaaagac 120
aagttctatg acaagactaa agcttcacga aggtctccac ccaaagaaag ttacatggct 180

tcaagaaggt ctccacccaa agaaagtaac atgggtccac caaggtctcc accaaaaga 239

<210> 44196
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 701043158H1

<400> 44196

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tggaccacaa tagggcactg ggccaaattt ctgagagact gaacattcag gtttctgatg 120
taaagaatgt cattatctgg ggcaatcact catcaacca ataccctgat gttaaccatg 180
caactgttgg ggagaagccc gtccgcgagc ttatagctga tgatgcctgg ttgaatggtg 240

<210> 44197
<211> 239
<212> DNA
<213> Glycine max

<223> Clone ID: 701043161H1

<400> 44197

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tgaacttctt cacaactttg ggatttgaat taacgagaga accagcaaaa ctgggggaaag 180
attttgagca tttctgatcc ggggttttgca tctttccatc atcatcacca tttactttt 239

<210> 44198
<211> 237
<212> DNA
<213> Glycine max

<223> Clone ID: 701043162H1

<400> 44198

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ccaatcggcc tcagcagacg acgtcgttgt gctctctgaa gataacttcg agaagggaagt 120
tggtcaggac agaggagctc tcgttgagtt ctatgctcct tgggtgtggac actgcaaaaa 180

gcttgctcca gaatatgaaa agcttggttag cagcttcaag acagccaaat ctgtttt 237

<210> 44199
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<212> DNA
<213> Glycine max

<223> Clone ID: 701043163H1

<400> 44199

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gttacacttg tttccattgc tggtaaagaa tctccaatct tccaacactg cgtcactcgc 120
tttgttccca attcagtcca caatttactt tttccacttt cccctaacct cccactcgga 180
actcgtcggtt acctatcgat aatgaatttg gggttacctc gctcacatcc atcgggtgt 238

<210> 44200
<211> 236
<212> DNA
<213> Glycine max

<223> Clone ID: 701043167H1

<400> 44200

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aaccctaata accactccga gaaccaaaga ttcgcccaat ccgaagaccc aaacctcaaa 120
aatcagacc atgaaaagcg tagaggtggc caagacggtg ctcgaggtcg ccgacgtggc 180
ttggaccgcc gtcgaacaca cccaccatta ccgccaccgc tgcagtcate ccgtcg 236

<210> 44201
<211> 231
<212> DNA
<213> Glycine max

<223> Clone ID: 701043168H1

<400> 44201

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ttcagttctga attcgggtcta atgggttggg agttctaatt aagtctaagg aacagaattc 120
tgtacatata tatatttaga agatcacagg gtgcttgatc agtggtgtat caggatggac 180

aagggtgacga gggttggttc tgaaaagggg gtggtgattt tcacaaagag c 231

<210> 44202
<211> 233
<212> DNA
<213> Glycine max

<223> Clone ID: 701043169H1

<400> 44202

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gttaggggta cttaccgttc tccagaacgt tcttccatcg cagcttctct ccttgcttca 120
ttctctatac gaatctctgc aagatctact ttctccgtat tcgtatttcg agattcctga 180
attcaacggc tactgcgggc tcgaactcaa cgacctctac cgtcatgtgc acc 233

<210> 44203
<211> 231
<212> DNA
<213> Glycine max

<223> Clone ID: 701043170H1

<400> 44203

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ttcttttctg gatttagctc ctaatgttgt gcagtggtag ttgggatctt acaacaccca 120
gatacttctt atggtgttcc ttgcaatcgt tgggatgctg ttagctgggt tctttgggta 180
ccatgcta at ctttgcctta ccaacactac cactaatgag acttttaagt g 231

<210> 44204
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<212> DNA
<213> Glycine max

<223> Clone ID: 701043171H1

<400> 44204

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gatactcgtc aatcagagct cgaacgcttg ttcgcaaagt atggaaggat tgaccgcgtg 120
gaactgaaat ctgggttttgc ttttgtctat catgaggatg agcgtgatgc agaagaagca 180

cattcgtgca cttgacaatg ttccatttgg t

211

<210> 44205
<211> 236
<212> DNA
<213> Glycine max

<223> Clone ID: 701043173H1

<400> 44205

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aatagaacta agagggtata gacatggcta acgcaattgc agcttcttca taggttctgc 120
ttctggcttt cccactgta tatggagctg accatgaagt tggtgacact agtggatggg 180
ccctcggagt taattataac acctgagcct ctgggaaaac tttcacagtt ggtgac 236

<210> 44206
<211> 237
<212> DNA
<213> Glycine max

<223> Clone ID: 701043174H1

<400> 44206

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aatggcaagt acaagagtgt gatgcaccga gtgattgtc aaaccgatgg taccagaatg 120
tccatagctt ctttctacaa ccctggtgat gatgctgtca tttctcctgc accagccttg 180
gtgaaggaat tagatgagac aagccaagtg taccctaaaat ttgtgtttga tgattac 237

<210> 44207
<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 701043176H1

<400> 44207

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ttaccatgga tggcaggcta agcactcatg caattgttga gccatttgtc atagcaacaa 120
acaggcaact gagtgtgggt caccctatct acaaacttct gtttcctcac taccgtgaca 180

ccatgaatat taattcactt gcccggaag ccctgggtcaa tgcagatggt attatagaga 240

<210> 44208
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 701043177H1

<400> 44208

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aaacatgcag atacttcgcg aaaactttga ccggttaagac catcaccctt gaggtggagt 120

cctccgacac catcgataac gtgacagcta agattcaaga caaggacggg atccccacctg 180

accagcagac acttatcttt ccgggtacac agcttgcggc tggtcgaacc cttgccgact 240

a 241

<210> 44209
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 701043180H1

<400> 44209

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attggggatg catcacagag gttgggtcat tactttgcc aatggcctcga ggcacgcttg 120

gttggggatg gtacaagtac ccaaggaatg tatacttttc tgagctctaa gaacaacact 180

ttttctgagt tactcaaggc ataccaggtt ttcagttcct ccagcccttt caagaagttt 240

g 241

<210> 44210
<211> 237
<212> DNA
<213> Glycine max

<223> Clone ID: 701043142H1

<400> 44210

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catgaagcct tctgcaagga gttcatagat tttctcttct tagaataatc aattagaacc 120
accttgaagt tgagacaaga gtaattgcag ccttatttta attagacaat atcaggacaa 180
atcactattc aagagatatg atgatcacta tggatgtaca aggtataaga tgggttg 237

<210> 44211
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 701043110H1

<400> 44211

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acattgaaaa agacttccat ttcttctcga aggtctggta ctgccacttt ccctagtcct 120
ggtacactca attatcgctg tgcaatgcac aagggatgga gtcctgagcg agttcccttg 180
catgcagggtg ctaccggaa gcacgttttg ccgttcaaca atgggaaaac attgccgtca 240
a 241

<210> 44212
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 701043114H1

<400> 44212

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gtgctttccc tagttgtctt agattccctc cactgatcgc aatttcaaca acaccctctt 120
cgatccgctt tctaaattct ccaccctcc gttccactgc ttctgtgaat ttccattcaa 180
catctctctc tccaatcttc aatcttcaat cttcaatcgc gactattcta acataatagc 240
att 243

<210> 44213
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 701043116H1

<400> 44213

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gtcgtgtctt tcaaattggcg aacgtttgat tctctgttc aatcggttt tgggtggagaa 120
aatcgtgcct ccatcgaaga ccaccgtgg cattttgtta cccgagaaat ccaccaagct 180
gaattccgga aaagtatttg ctgttgccc tggctttcac agtaaggatg ggaagctaata 240
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<210> 44214

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 701043117H1

<400> 44214

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gaggtgtatc cactgttcgc tgcggttggg gctgctgttg ggatctgttg attccaactg 120
gttcgtaata tctgcatcaa cctgaagtc aggggtgaaca aggagggaag gaaggcagga 180
gttttgaga actttgctga gggagagaag tatgccgagc acttcctgag gaagtatgt 239

<210> 44215

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 701043118H1

<400> 44215

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cttaggggtg tgcattttt tgccacagca tctgctacac ttgttatggc attcaacaaa 180
caaaccaaag gcatggtagt tgctaccatt ggcaccaacc cagtaacaat tactcttact 240
g 241

<210> 44216

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 701043119H1

<400> 44216

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 tgggtgtcaag gctaaagaag ctatgaataa gggagaactt gtttctgatg acttggttgt 180
 tggcattata gatgaagcaa tgaaaaaacc ttcatgtcag aaaggtttca ttcttgatgg 240

<210> 44217

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 701043120H1

<400> 44217

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 aggctactca ccccgacacg ttgaaggcgg gggttggtga gttcatctcc accttgatct 180
 tcgtgttcgc cggttcaggt tccggcatcg cctacaacaa gctcaccgac aacggcgccg 240
 c 241

<210> 44218

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 701043121H1

<400> 44218

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 attgctaggg gagtgatgct gggtcctgac cagcccgtga tctccacat gcttgacatt 180
 cctccagcag tagagtcgtt gaatgggggtt aaaatggaat tggtggtatgc tgcattccc 239

<210> 44219

<211> 132
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043123H1

<400> 44219

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 tcgtagcggc tt 132

<210> 44220
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043124H1

<400> 44220

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 acctcagaga actcagttca atcccaacac atatgctaca caggttgga ctgattttat 180
 cagaaaccac ctggttcttg gagtggactt cgcttctggt cacatatatg ctgact 236

<210> 44221
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043125H1

<400> 44221

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 catcagaaga aagcgataaa agcaaaaatg caatctatgt ccctgacgct gagcaagagg 120
 ctctccaatt caaagcctct cttcagaatc tcttccaacc tcgtcgctca cgcacacctc 180
 gccacaacct ctccgcccgc accttcgccg ccagtcacct ctccatccgc cctcaacagc 240
 ctc 243

<210> 44222

<211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043126H1

<400> 44222

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 ccattggcaa acatggcaac tcaaatgagc aagaagagaa agtttggtgc ggacggagtg 120
 ttctttgccg aactgaacga ggttctgaca cgtgaattgg cggaggacgg ttactccggc 180
 gtggaagtta gggttacgcc gatgcgcacc gagatcatca tcagagccac cagaacccaa 240
 gct 243

<210> 44223
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043127H1

<400> 44223

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 gatgaatcaa tgctagatag gcttggactt cttccacaac gcaaacagca tcagaaacag 120
 ttattgcaag ctttgggttg tgaggcgtca ggtgaagagc aacttttttc ttctgaaaat 180
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 cagt 244

<210> 44224
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043128H1

<400> 44224

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 gagaaaaccg atattcgac tttaccgcac ccagcgactc cgcgtggttt tggcgaaaac 120
 ttctagaaca ttcttccatg gaggttatca gggttctagc ggcggcgatc gtggtagcgg 180

tgcttgccgc ggctcttccg gcggacgccg acgacgacaa ccgagtattc gcgccgtgca 240
cggac 245

<210> 44225
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 701043129H1

<400> 44225

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gtattttctg cgataatttt ccattgggtg gaagaaagtc tcaaccttta ttcgaaagag 120
caaggatctg agttgagttg agtgatcatg tgtggtggtg cgattatctc cgacttcata 180
ccggcaggtc ccgccagcgg ggcgcggcgc gtgaccgccg acatcctgtg gccgagtttg 240
agg 243

<210> 44226
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<212> DNA
<213> Glycine max

<223> Clone ID: 701043130H1

<400> 44226

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atcaccgttg attgaagaag atgccgatca gaaacatcgc catcggaagg cctgaagagg 120
ctactacccc cgacacgttg aaggcggggt tggctgagtt catctccacc ttgatcttcg 180
tgttcgccgg ttcaggttcc ggcacgcct acaacaagct caccgacaac ggcgccgcca 240
ctc 243

<210> 44227
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 701043131H1

<400> 44227

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aaagcgaact gctcgttaagt caactggagg aaaagctccc aggaagcagc ttgcaaccaa 120
ggctgcacgt aagtctgcac caacaactgg tgggtgtgaag aagcctcatc gttatcgccc 180
tggaactggt gctcttcgtg agattaggaa ataccagaag agcactgagc tccaatcag 240
g 241

<210> 44228
<211> 244
<212> DNA
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<223> Clone ID: 701043132H1

<400> 44228

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gcacagaaat tctcagagag gcaagcattg gggacaggag ctcagggtga caaggactac 120
aaggaggcac caccagcacc cttgtttgag ccaggggagt taaagtcag gtctttttac 180
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gtca 244

<210> 44229
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 701043133H1

<400> 44229

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ggaggaggcg gcgaacccga tacgaatggt gtctggcgtg gaggcggagg tggttcgggt 180
gatcggggag tgccggcgtg cggtgaagtt tgctaggttc gtgagcaggt tcgggaagag 240
t 241

<210> 44230
<211> 241
<212> DNA

<213> Glycine max

<223> Clone ID: 701043134H1

<400> 44230

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gcacttattt ccactgtttag ctataagttc ctatggtaca atttggccta tagctacatg 120
ggtgcaccaa gctcatttgg gcgatttggc tgagccacct ctccagctgc aacggcagct 180
tgccttcggt gcctctcacg tagatacagc acagttaaga ggcatacaaa gagggtcaga 240
a 241

<210> 44231

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 701043136H1

<400> 44231

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aaaagaaaac tgacacaagt gaggcttggg gcataaacag caatggcaga aaaaccccaa 120
ccggttcggg ttctctactg cggcgtgtgc agtttgcccc ccgaatactg cgaattcgga 180
tccgatttcg agaaatgcaa accctgggtg atccaaaacg tccctgacct ataccctg 238

<210> 44232

<211> 174

<212> DNA

<213> Glycine max

<223> Clone ID: 701043137H1

<400> 44232

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ggttccttat cccccaactt tattgcttcc tcacgcgtct ttatcttttt ttcttttcgt 120
tgatccaacc ttttccacta aagcttcgat tttttgcttt ttatttgtgt tttta 174

<210> 44233

<211> 236

<212> DNA

002220"ETTES60

<213> Glycine max

<223> Clone ID: 701043138H1

<400> 44233

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ggctgacatg ccgttgccgg cgctctttga gcaagccgc aagatccacg ccgcagccac 120
cgattccggc gccgaccagg aggttggtgaa gaaggggtgc gaggctctgc atagatgcga 180
ggacatgggc aataatctag gtttgttctc tccaacgag accaaagaag atatca 236

<210> 44234

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 701043139H1

<400> 44234

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gtggtgttcc tgatcctaag atcagaattt atgatgttgg tatgaagaag aaaggtgttg 180
atgagtttcc cttctgtgtt catctgggta gctgggaaaa agaaaatgtt tcaagtgaag 240
cattggaag 249

<210> 44235

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 701043140H1

<400> 44235

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tcatgttcgc tgtccggcgg cggttccgtg acgtggtgac gctctctgat cggctcgcag 180
aggcgtaacg cgggtttttc atcccgctcg cggcggacaa gagcgtggtg gaga 234

<210> 44236

00222E0"ETTE560

<211> 240
<212> DNA
<213> Glycine max

<223> Clone ID: 701043141H1

<400> 44236

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gaacaggaaa tttgtggaga ccattgaact ccaaattggg ctgaaaaact atgatcccca 180
gaaggacaag cgttttagtg gctctgttaa gttgcctcac attcctcgcc ccaagatgaa 240

<210> 44237
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 701043108H1

<400> 44237

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tgatcgattg cgcgaagcgg tggaggataa aattatggac attgcttctc tggagaagtt 120
ccttcaggag aggattaagg ttggcggcaa ggccggtgca ctcggcgatt ccattactgt 180
cactatggac aagagcaaga tcaccgtcac ctccgacagc aacttctcta aacggtat 238

<210> 44238
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<212> DNA
<213> Glycine max

<223> Clone ID: 701043053H1

<400> 44238

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attggcttct caaatccatg tttcctctgg gaaactagtc cctggactat catggaatta 120
ctatttgttg acatgtccca agcttgagag gattataagg aagcatcttg aggatgtctt 180
c 181

<210> 44239

<211> 183
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701043054H1

 <400> 44239

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 ctcttggtgcaa taaagtgaag cgcacacagag aaattcaatt caatggatgc aaatcgcgag 120
 caaattgtgg acgttggtgc ggtggtggaa gccgtttctg ctgacgacgg tgacgctcct 180
 ctc 183

<210> 44240
 <211> 184
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701043056H1

 <400> 44240

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 aggtggccca ggaagtggaa agggtagcca atgtgcaaatt attgtccaaa attttgggta 180
 tact 184

<210> 44241
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 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701043057H1

 <400> 44241

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 gacatgtatt tccgtggtag agtgtttggt gattcagagt ccgaatcaga tgacgatgat 180
 ga 182

<210> 44242

<211> 182
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043058H1

<400> 44242

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 agttcgtcgt cgatcggaac ccctgatgac agcgacaacg aggaggagga agaagtgcag 120
 agccagttaa agatacgaac tgggttggtg tctttggatg ctttggaaga atctcttccc 180
 at 182

<210> 44243
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043059H1

<400> 44243

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 aattcacagg gacctcaaga ctgccaatct tctgatggat gaaaatgaag tgggtcaagg 180
 tgct 184

<210> 44244
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043060H1

<400> 44244

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 cta 183

<210> 44245

<211> 184
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<223> Clone ID: 701043061H1

<400> 44245

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 gaca 184

<210> 44246
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 <212> DNA
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<223> Clone ID: 701043063H1

<400> 44246

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 ggggtgcgag tttcgaacgc gctgatcgaa ccagatggag ggaagctcgt ggagcttgtg 180
 gtgacg 186

<210> 44247
 <211> 187
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701043064H1

<400> 44247

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 ttgcgagaa ccaagagggt ctcattgact actcttctgc ttcttctgga gctattcaca 120
 atagtccttc acacggcaga tgctcaaatt ggtgtttgtt atggtatgat gggcaacaat 180
 ctaccac 187

<210> 44248

<211> 184
 <212> DNA
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<223> Clone ID: 701043067H1

<400> 44248

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 cgcaagaaa atcgagcacg aaggtgaaag cttcaaccga tgcgaacacg aacctgagca 120
 tgctcaacga ggaccttctc cagaacattc tagcgaggct tcttgctctg catttcgctt 180
 ccgc 184

<210> 44249
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 <212> DNA
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<223> Clone ID: 701043068H1

<400> 44249

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<223> Clone ID: 701043069H1

<400> 44250

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<210> 44251

<211> 182
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<223> Clone ID: 701043070H1

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 ag 182

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<223> Clone ID: 701043071H1

<400> 44252

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<223> Clone ID: 701043072H1

<400> 44253

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 aga 183

<210> 44254
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<213> Glycine max
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 <223> Clone ID: 701043075H1
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<210> 44256
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 <213> Glycine max
 <223> Clone ID: 701043076H1
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 gggtttaata tttttgcttc cccggatgtt cagttttgaa aacaaagatg gtatgggaag 180
 ta 182

<210> 44257
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 <212> DNA
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<400> 44257

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 gaggaggacc ttgatgcaat gcttccaaag tgtgatgtaa ttgttatcaa catgcctctt 180
 a 181

<210> 44258

<211> 181

<212> DNA

<213> Glycine max

<223> Clone ID: 701043079H1

<400> 44258

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 a 181

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<211> 182

<212> DNA

<213> Glycine max

<223> Clone ID: 701043080H1

<400> 44259

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<210> 44260

<211> 183

<212> DNA

<213> Glycine max

<223> Clone ID: 701043082H1

<400> 44260

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<210> 44261

<211> 180

<212> DNA

<213> Glycine max

<223> Clone ID: 701043085H1

<400> 44261

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<210> 44262

<211> 181

<212> DNA

<213> Glycine max

<223> Clone ID: 701043088H1

<400> 44262

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accagaggaa ccgttctgcc aacaggcgca aatcatctga tcggcttgat cggacaaaca 180
g 181

<210> 44263

<211> 67

<212> DNA

<213> Glycine max

<223> Clone ID: 701043090H1

<400> 44263

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<210> 44264
<211> 181
<212> DNA
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<223> Clone ID: 701043091H1

<400> 44264

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gaccagttcg acttaaatga ctccgcattc agccacctcc tcaattccat catggatcct 180
a 181

<210> 44265
<211> 181
<212> DNA
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<223> Clone ID: 701043092H1

<400> 44265

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ccactaagga tgatgttctt tcccaacaaa atgttccaat caaaacctct actaggggtg 180
a 181

<210> 44266
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<223> Clone ID: 701043094H1

<400> 44266

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00220.ET.ES60

aacccatttc tctttctgac ttggtctcta ctcttcaaata tccaccagct aacgctg 177

<210> 44267
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<223> Clone ID: 701043096H1

<400> 44267

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gttgaattga attcgtgatg aagagggacc acaaagatag ctgcggcggc ggcggcg 177

<210> 44268
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<223> Clone ID: 701043105H1

<400> 44268

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gaggaaacta ccatcccaac aattcagaca ccaacatagt tgatgttgat cccatggata 120

tgtcagaaag tatgcaagag gctatgcac gttcaaattt ggacatgagt ggtgcagagt 180

tcgtaagaca agaaattccc ctatatgttt tgccagcctt gtctttaatc aaccttgatt 240

cac 243

<210> 44269
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<212> DNA
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<223> Clone ID: 701043051H1

<400> 44269

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tccaaattta ccaccagggc cttggaagat acctatcata gggaacatac acaacgttgt 180

185

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<223> Clone ID: 701043107H1

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atgaactccc	aggtatcgct	caaagcagga	ttcaaaagga	cgacgcgctg	ttttcggcct	180
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<210>	44271
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<223> Clone ID: 701043003H1

<400> 44271

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gattcagatt                                     190

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<223> Clone ID: 701043004H1

<400> 44272

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gctgcaagcc cacagcagct ggtgattctg aatcacttgg accacacggt gtttcctctg 180
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<223> Clone ID: 701043005H1

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<223> Clone ID: 701043006H1

<400> 44274

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<210> 44275
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<223> Clone ID: 701043008H1

<400> 44275

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agagacccag tactttctgc atccaaacca atcactactg cggataactg gtaagttcat 180
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<210> 44276
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<223> Clone ID: 701043011H1

<400> 44276

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attgtgaa 188

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<223> Clone ID: 701043012H1

<400> 44277

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tgaaatcttc atttcatttc attgcatgct tatagtcac gtgggatgtg tgtgtgtttt 180
agatttgg 188

<210> 44278
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<212> DNA
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<223> Clone ID: 701043013H1

<400> 44278

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ggttgacagt gctgggatcc ctcttgagga tttggagttt gtacaatttc acccaaccgg 180
tatatatgg 189

<210> 44279
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<212> DNA
<213> Glycine max

<223> Clone ID: 701043017H1

<400> 44279

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ggagaagcgc ttc 193

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<223> Clone ID: 701043020H1

<400> 44280

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<223> Clone ID: 701043021H1

<400> 44281

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tggaatcaat gctgataagt gaaatgttgc tgtggccatg acacttggtt accactcctt 180
acctgct 187

<210> 44285
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<212> DNA
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<223> Clone ID: 701043025H1

<400> 44285

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gtttggc 187

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<223> Clone ID: 701043028H1

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caccatgaat cccgaatacg attatttggt caagcttttg ctgattggag attctggtgt 180
aggcaa 186

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<223> Clone ID: 701043029H1

<400> 44287

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<210> 44288
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 <212> DNA
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<223> Clone ID: 701043031H1

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<210> 44289
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<223> Clone ID: 701043032H1

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<223> Clone ID: 701043033H1

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caaagcaagg 190

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<212> DNA

<213> Glycine max

<223> Clone ID: 701043035H1

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<223> Clone ID: 701043037H1

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tgcaacaaag aggattttcc tgaagaagat ttaagaagg cttttaggat gggaagagaa 180
ac 182

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<223> Clone ID: 701043041H1

<400> 44297

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taagg 185

<210> 44298
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<223> Clone ID: 701043042H1

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ccactctcgg tctcacacat ccttctaaca tcgaaacacc caagacctc 169

<210> 44299
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<212> DNA
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<223> Clone ID: 701043043H1

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gcctc

185

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<223> Clone ID: 701043048H1

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<223> Clone ID: 701043049H1

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<223> Clone ID: 701043050H1

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<223> Clone ID: 701042956H1

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gttctacgct ccatgg 196

<210> 44307
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<223> Clone ID: 701042957H1

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ccttccgaat tcc 193

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<223> Clone ID: 701042958H1

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<211> 205
<212> DNA
<213> Glycine max

<223> Clone ID: 701042965H1

<400> 44312

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tgttgaggaa ctgcaaaggc ggttgccctca attgagtgcc accggtcttc aacagcaagg 180
agatggtaaa gagtatcttg gtgac 205

<210> 44313
<211> 193
<212> DNA
<213> Glycine max

<223> Clone ID: 701042966H1

<400> 44313

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cgaactaggt attccagaca taatatccaa ccatgggaaa cccattactc ttcttgagtt 180
ggtctcagcc ctg 193

<210> 44314
<211> 193
<212> DNA
<213> Glycine max

<223> Clone ID: 701042967H1

<400> 44314

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gatctgaaat gggaccattc cttcgtcaga gaattgcccg gcgatccccg ccgcgactcc 180

tttccccgtg agg

193

<210> 44315
<211> 193
<212> DNA
<213> Glycine max

<223> Clone ID: 701042968H1

<400> 44315

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ttttgggagc tactggaagc ccatttgtgt gcagggttca tattgccctc aagttgaagg 120
gagttgaata caaatatgtc gaagaaaatt tgaggaacaa gagtgaactg cttctcaaat 180
ccaaccagt tca 193

<210> 44316
<211> 190
<212> DNA
<213> Glycine max

<223> Clone ID: 701042971H1

<400> 44316

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tgataagaac aaacttccat cgtccgcggc catgccaacg ctgtcttccg ccgtcactct 120
cgccgctaaa cccctctcac taccctctaaa ccacgcgcc agatcggcgg ctgcgttcca 180
ctctcccaaa 190

<210> 44317
<211> 192
<212> DNA
<213> Glycine max

<223> Clone ID: 701042974H1

<400> 44317

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tccactggta gatgagatga ggtgcaatga gactggatca tagcattgat gatagttgag 120
agtgagttag ttaatatgtt atcattgtta tggtgaaagt gaaaccaaacc accgaagctg 180

ttgagtgatt tt

192

<210> 44318
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<223> Clone ID: 701042975H1

<400> 44318

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 gttgatcaat ctacggtggc tatgagagaa ggatttggac gatttgagaa ggtacttcag 180
 ccgggatgcc a 191

<210> 44319
 <211> 184
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042976H1

<400> 44319

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<210> 44320
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 <212> DNA
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<223> Clone ID: 701042977H1

<400> 44320

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0022E0.E113.032200

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192

<210> 44321
<211> 192
<212> DNA
<213> Glycine max

<223> Clone ID: 701042979H1

<400> 44321

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ttgccatgtt ggcgatggta gcaactgggg tttcagctgc tgaggcacct gccccaggtc 180
cttcatccga tg 192

<210> 44322
<211> 192
<212> DNA
<213> Glycine max

<223> Clone ID: 701042980H1

<400> 44322

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tcttgctgtc tacaaggaag ttattgctga ccttaaggca gctggtgctt catggattca 180
gtttgatgag cc 192

<210> 44323
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<213> Glycine max

<223> Clone ID: 701042981H1

<400> 44323

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cgcgagaact tcgtctacat cgccaagctc gccgaacagg ccgagcgata cgaagagatg 180

gtggaatcaa tgaagaacgt tgcgaatctc gacgttga

218

<210> 44324

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<212> DNA

<213> Glycine max

<223> Clone ID: 701042982H1

<400> 44324

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cgcaaaatga agacgatctt gtcgtctgag accatgaata ttcccgcacgg cgtgagcatc 120

aaggttcacg ctaaggttat cgagggttgag ggccctcgtg gaaaactcgt gcgagacttc 180

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<213> Glycine max

<223> Clone ID: 701042983H1

<400> 44325

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gtcggattca cggagatgcc gcgaggagcg aatgtaacat gttttgtctc gactgcaatg 120

agaatgcgtt ttgcttctat tgccgttcct caaaacacaa ggatcaccaa gtcattcaga 180

tacggagat 189

<210> 44326

<211> 188

<212> DNA

<213> Glycine max

<223> Clone ID: 701042984H1

<400> 44326

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caatgtgatt agggacactg aacaccctgg ttttccatt tcactatcct ccatttcac 120

caagggtcgc caaagcattg gtggaaccga acaaaaaagc gaccaaagat gcttggtgtg 180

aatgaaaa

188

<210> 44327
<211> 203
<212> DNA
<213> Glycine max

<223> Clone ID: 701042985H1

<400> 44327

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ttgagaagtg caagcttgac ccaactcact gggacaagat ctcaaaggct ggtctccagc 120
gtattgaaga gaagtaçaca tggcaaattt actctcagag gcttctcact ctcaccgggtg 180
tctatggctt ctggaagcat gtg 203

<210> 44328
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<212> DNA
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<223> Clone ID: 701042986H1

<400> 44328

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tcgctctctc caacgatcac aacaacatcg tcatcccatg gcaaacgccg catctggtat 120
ggcagtccat gatgactgca agttaagggtt tttggagctg aagacaaaga ggacacaccg 180
tttcatagtt tt 192

<210> 44329
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<223> Clone ID: 701042987H1

<400> 44329

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gccgacctag tcaatgctct caagagcaag attcagagtc tggctggggc tcattctgat 120
gttctggaga ctctatcccc caatgtcagg aagcgtgttg aatctcttag agagattcag 180

ggtaaacaatg at

192

<210> 44330
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<223> Clone ID: 701042989H1

<400> 44330

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 agataccgat aagctcggtg tgatagattt ctcggcgctc tgggtgcggtc cttgcaaatt 180
 catagagcc 189

<210> 44331
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 <212> DNA
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<223> Clone ID: 701042991H1

<400> 44331

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 cgaaatggag actaaacaga gttcggtgac ggttacgctc agttacggcg ctttgacgtg 180
 cgccgcg 187

<210> 44332
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<223> Clone ID: 701042992H1

<400> 44332

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ttgctac

187

<210> 44333
<211> 188
<212> DNA
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<223> Clone ID: 701042993H1

<400> 44333

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taacatctcc atcaagctat gcaaagccct aagcaaagca ccaaagtgcca agctccatgc 120
cataggcagc cgttccctcg agaaggcgac ggcgttcgcg gctgagcacg gccttcccga 180
ggctgtta 188

<210> 44334
<211> 192
<212> DNA
<213> Glycine max

<223> Clone ID: 701042952H1

<400> 44334

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gcttcgaagc tgtgtttctga tccttcaaatt taggttggtt gctttttttg gggagttaaa 120
tggtatgctag gccgtggatt tgggtcaattt gatctcaatt gaaatttttt agtatttctg 180
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<210> 44335
<211> 189
<212> DNA
<213> Glycine max

<223> Clone ID: 701042994H1

<400> 44335

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attacatacc ttgggccttt gaaataacat acaggcactg aggatacaat atgctatgag 120
aattcttatt ttgaagttag aatcaagaaa ccttttggtta gtttgatgtt tggatttaac 180

atgatcaca

189

<210> 44336

<211> 211

<212> DNA

<213> Glycine max

<223> Clone ID: 701042906H1

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<211> 212

<212> DNA

<213> Glycine max

<223> Clone ID: 701042907H1

<400> 44337

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actgggtttt caaccatgga tgcgatacgg aagcagctcg atgtgttgat gggagccaac 120

cgtaacggcg acgtccgtga agtcaatcgc aagtactacg atcgcgacgt ctgtcgtctc 180

tacctcgtcg gtctctgccc tcacgaactc tt 212

<210> 44338

<211> 214

<212> DNA

<213> Glycine max

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ttcaattcca gcaaggatgt cacagcaagg cgaatcatcg gacccgaaat cggggaagaa 120

ggacttctcg accgcgattc tggaacgcaa aaagtcgccg aaccggcttg ttgtggatga 180

ggctgtcaac gacgacaact ccgtagtgac catg 214

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<223> Clone ID: 701042909H1

<400> 44339

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 ctgaagtctc accgtaggag acaaagggtg gctgacaagt catacaaaaa gtctcatctg 180
 ggaaatgaat ggaagaagcc ttttgctggt tc 212

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 <212> DNA
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<223> Clone ID: 701042910H1

<400> 44340

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 tgcccagctc agtccaaacc actatgctaa catatgcccc aaccttgaaa gcatcgtag 180
 acaagccgtt actaataagt tccaacaaac 210

<210> 44341
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042911H1

<400> 44341

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 tattgtgaaa gctggaggat gaatgtggag ctgcacaaca ttagggactt ccaagttgtg 180

cctgaagagt gcactgaata cattggaaaa tat 213

<210> 44342
 <211> 213
 <212> DNA
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<223> Clone ID: 701042912H1

<400> 44342

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 tatgtgaagc aaaggcagta taatccatct agtggcatgt attctcttga tgttggttcaa 180
 attagcaaag tgcaagctaa ccagcgagca ggc 213

<210> 44343
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042915H1

<400> 44343

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 ctttccaacg cttcccc 197

<210> 44344
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<223> Clone ID: 701042916H1

<400> 44344

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 gtaatccaca cattgatcat gatcattgca tctgggactg aaagctatag actcaagggt 120
 gcaagagaac atggcgtggt tgaaagtgga gggcaagttc ctttgagcat attcattttg 180

cttctctcagt ttatacttat gggaactgct ga

212

<210> 44345

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<212> DNA

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ctagctgcta atagactcgc ccatcatgcc atcaaacttg gtggcattgg ctttgagacc 120

tcttttttcg gattgtttgc tgccattgct gctatttacc tgttgatttt ggatcgtaca 180

aactggaaaa ca 192

<210> 44346

<211> 199

<212> DNA

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<223> Clone ID: 701042918H1

<400> 44346

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tcacaatcaa ttgaagaagg aagaaataag aagttttctgg gtaatgattc gcggttatat 120

agcctgagct gtgccccatt ccatacgcaa cttttcctcc atcattctcc ttttttttct 180

caccttaata agtgaatga 199

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<211> 199

<212> DNA

<213> Glycine max

<223> Clone ID: 701042921H1

<400> 44347

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gttcatctgt tctcttcac atccgagttg cttgaaaagc ttcattgaaa atggagttca 120

gtggagaaac caccataccc agctatgtat tctagtattt atggaggtat cataacttgat 180

ccagcaatga tggtaatcc

199

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<211> 200
<212> DNA
<213> Glycine max

<223> Clone ID: 701042922H1

<400> 44348

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ccaccaattg agacccaac caagggttcc agctatcagc actcccaaaa ccctcgtctt 180
aacgagagga ttctttcatc 200

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<211> 199
<212> DNA
<213> Glycine max

<223> Clone ID: 701042923H1

<400> 44349

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gaatgaggca gaaacttgaa gaagtaaattg tggctgctca aactaatctt gcccctgtcc 180
aagactatgt caattacac 199

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<211> 199
<212> DNA
<213> Glycine max

<223> Clone ID: 701042925H1

<400> 44350

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tttacttctc ctagcaatag taatcatagt tttaatcttc acaatatttc gtgtcaaggg 180

tcccatgata acaatgaac

199

<210> 44351
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<223> Clone ID: 701042928H1

<400> 44351

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gtctcaacac catggtgatg aaatggagta tgcggcagat gataatgaaa tggcagaggt 180
agaagaggat atgtatttc 199

<210> 44352
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<212> DNA
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<223> Clone ID: 701042929H1

<400> 44352

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ttttcgttgg tctgttg 197

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<223> Clone ID: 701042930H1

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ctgctttgat tccgtct

197

<210> 44354

<211> 197

<212> DNA

<213> Glycine max

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ttttctgtgg ttcttcttct cacttctcta atcttctccc ccctctgtta ctccccgctt 120

ctctgaatcc ctttctgtta atcatctgtc tttcacctcg tgattccaaa aagattcaaa 180

ctttgaaaat ttttctc 197

<210> 44355

<211> 198

<212> DNA

<213> Glycine max

<223> Clone ID: 701042933H1

<400> 44355

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ctccaacaga atcttctgct gtaaggggta acacaacttg tgtacctgag aatgtggaaa 120

tggatgattg cacatacaag tatatgcaag tctaccactg aaactagtag tagtagcaac 180

aagagtgttt caaaagct 198

<210> 44356

<211> 196

<212> DNA

<213> Glycine max

<223> Clone ID: 701042937H1

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196

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<212> DNA

<213> Glycine max

<223> Clone ID: 701042940H1

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agggagggca atgcgggaac cagatcggag ccaagttctg ggaggtggtg tgcgcggaga 180

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<211> 212

<212> DNA

<213> Glycine max

<223> Clone ID: 701042905H1

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gtgaaatgac ttgccttctt tcttatatgc catgcttact tcaagcgctg gaacatatga 120

gacagaagat agaggcatca accgagaaaa ttctgtgtggc aaagatacag gaagaacagg 180

cgcgcaaggt gtgggaatca gcatcaaaaa ca 212

<210> 44359

<211> 195

<212> DNA

<213> Glycine max

<223> Clone ID: 701042943H1

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tcttctctc cctggagaag agttttgcct ttcaagcagc aagaaaggag gacacagaaa 120

gcaacaatct tcatcaatat actcatcttg ttcaacctcag ctcactcctt ccttcatctt 180

cttgcagctc ttcta

195

<210> 44360
<211> 195
<212> DNA
<213> Glycine max

<223> Clone ID: 701042946H1

<400> 44360

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acctttatgg ggatatgcta cctcatgaat atgccgctta caagggacac gcttctatat 180
tctaattgtca agctt 195

<210> 44361
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<212> DNA
<213> Glycine max

<223> Clone ID: 701042947H1

<400> 44361

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actgaaacgt ggctgaatgc ctctctcagt cccagccaga gcgagaatcc accatctcca 120
tggaccctcc tttttccctt ccatttccaa accaaaacaa aaacgcattt ggccaaccct 180
tttgctctg aatcg 195

<210> 44362
<211> 197
<212> DNA
<213> Glycine max

<223> Clone ID: 701042948H1

<400> 44362

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aatgagtgtg tcattgactg tgatgacctt caatctccat gatgatgagc cacaagacag 120
tcctaattcg tgggagaaga gaagggatat gtgcataagc gttatcacca gttactcacc 180

catcatcctc tgtaccc

197

<210> 44363

<211> 191

<212> DNA

<213> Glycine max

<223> Clone ID: 701042949H1

<400> 44363

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caaaataatg gccttggtat gaacttctac aaggaatcat gccctcaggc tgaagacatc 120

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aggaacatct t 191

<210> 44364

<211> 196

<212> DNA

<213> Glycine max

<223> Clone ID: 701042950H1

<400> 44364

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ggaccctac aagaatcggc catcaagcgc cttcaattct cccttctgga ctacaaattc 120

cgggtgctccc atctggaaca ataactcatc gctgactgtt ggatctagag gtccaattct 180

gctggaggat taccat 196

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<212> DNA

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<223> Clone ID: 701042951H1

<400> 44365

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tagaattgcc cagaaccacc cgccacgtca gaatctccgc caagagccac cgcgtctccg 120

ccacctctga ccaacgcccc gcgggaccct gctgcattca cggtggcccc ctcgaaaccg 180

ctaacaaaga gaa

193

<210> 44366
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 <212> DNA
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<223> Clone ID: 701042767H1

<400> 44366

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 attgtatgat tctgttaaag cagttgtcct cacaggggtca ttgcaggata gctttttttgc 180
 cagcttttggc cttggatggc tcatcaccaa tgggtgcagggt cttgcatcat acccaataga 240
 cactgtt 247

<210> 44367
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042769H1

<400> 44367

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 ctcttctatc tactcctctt cctccaaaac gctcctteta caccacatgc tcaactccgc 180
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 gattcctct 250

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<223> Clone ID: 701042770H1

<400> 44368

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 atctgatttt tttactcttg tgacagaaaag ttgtgctaag tgtggaacta catgatgaca 240
 aaattaag 248

<210> 44369
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 <212> DNA
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<223> Clone ID: 701042771H1

<400> 44369

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 ccgataccac cgagaagggtg atcgagaggt acatatggat cggaggatca ggaatggacc 180
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 ggaactatg 249

<210> 44370
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042772H1

<400> 44370

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 catgtcgact ctgggaagtc aactaccact ggtcatttga tctacaagct tggaggtatt 180
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 aagtatgcc 249

<210> 44371
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042773H1

<400> 44371

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ttttcttttt ctcttaatgg aatgatggaa cacaacatta tcgtcaacaa caacgtgatc 180
gcaccgtttg ttataaaaac ctacaatatg gtgaacgatc ccaccaccga taaactcatc 240
acgtggggc 249

<210> 44372

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 701042774H1

<400> 44372

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ttaaacccttc ttcttcatct tcatcatcat catctgtgtc ttgttctctc atggagaatc 180
aggagaccca acgcagcaaa ttcatggact ttccgttcgt ttcattctgcc cagaagaacc 240
tcatggt 247

<210> 44373

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 701042776H1

<400> 44373

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gtgacagcca ccagccatgg gtcgtatgca cagccgcggt aagggatatat cctcttctgc 120
tttgccctac aaaaggacac ctcttagctg gctcaagatc tcttcgcaag atgtcgaaga 180
aaatatctgc aagttttgca agaaagggtt gaccccgctc cagattggtg tcattctcag 240
agattctcac ggtattgc 258

<210> 44374
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 <212> DNA
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<223> Clone ID: 701042777H1

<400> 44374

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 tcatcccaaa gattattggg gccatccaaa ctattgaaat cgttgaagga aatggaggac 180
 ccggaaccgt caagaagata acagctagtg aaggtgacca aaccagtttc gtgctgcaaa 240
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<210> 44375
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042778H1

<400> 44375

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 acacacacat gtatctctga gctccaatcc aatccaagac cacaccttgt cgcgtcggac 180
 gaaccttggg gtctgtcttt tatttttatt tggatcaata agtttccccg aaaaattggg 240
 gaag 244

<210> 44376
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042779H1

<400> 44376

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002220" ETTT560

ttggccaaac actcccatc cactgcact gcgagagctt ctaaagcctc tccctgcagg 180
tgatgaaatc gatgaactcc ctaagcaa at tgatgataca cagtacccaa aaacattctt 240
cta 243

<210> 44377
<211> 243
<212> DNA
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<223> Clone ID: 701042780H1

<400> 44377

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agcgcaatgg aacagtgaat gtgagcaact tcagaagcca ggatcaacat gaatctgcac 180
aacatggtct gagatttgag gcatatgaag ttccaaagcc tccaatgccg tcaaaagttg 240
ctc 243

<210> 44378
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 701042781H1

<400> 44378

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aagcacatca atcaagattt ttcggtgtct accccatcac ttttccaagc aattagatcc 180
atgtcatctg caaagctttt tgtcggaggt atttcttaca gcaactgatga tatgagtttg 240
cgagagt 247

<210> 44379
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<212> DNA
<213> Glycine max

<223> Clone ID: 701042783H1

<400> 44379

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 tccaaaatat tccaaactaaa cctttcttcc ttttcatggc agatcctacc cgtctttcat 180
 tcagttcaat ctcatacctg tatgtgtatc tctaatacaa tcagttaatg aatgagaaga 240
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<210> 44380

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 701042784H1

<400> 44380

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 cttgtctact ttatggatac acagatttgg tatgccatct tctctacaat agtaggaggc 180
 atatatggtg catttcgacg tttgggagag attcgaacat tggaattact gaggtctcgg 240
 tttgat 246

<210> 44381

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 701042785H1

<400> 44381

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 tattataatt tctatgactc aacttgtcca aacctgaccg gaattgttcg atccaacgtg 180
 tggtcagcta tggccaagga tgcaagaatt gctgcttctc tcttgccgct tcatttccat 240
 gattg 245

<210> 44382
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 <212> DNA
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<223> Clone ID: 701042786H1

<400> 44382

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 tattgttgca tcactttcaa atgattatgt tgactcttat gttctgtcag agtcaagcct 180
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<210> 44383
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<223> Clone ID: 701042788H1

<400> 44383

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 ctacaccaaa tcctctcccc atacatgtca agtggtgttg tatccgtttt attatggcat 180
 gccattgctg tgcttttctg ttcaaatttg gcctctgctg agggcattga ggccacaaat 240
 ggaggca 247

<210> 44384
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<223> Clone ID: 701042789H1

<400> 44384

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 aatgccatcc agatagactc tagtataata gcacgaagtg ttggagctgg ttctggaggg 180

ttctcaaggt tggtttgctt aagagttcac ccaacattta gtgttttgca tccatcagaa 240

tctt 244

<210> 44385

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 701042790H1

<400> 44385

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ttagtgccctc cttgccagaa gttaaaatgg cccaagaaac tttcctattc acatctgaat 120

cagtgaacga ggggcaccct gacaagctct gtgaccagat ctccgatgct gtgctcgatg 180

catgcttgga gcaggaccct gacagcaagg ttgcttgcca aacctgcacc aagaccaaca 240

tggt 244

<210> 44386

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 701042791H1

<400> 44386

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tgaggaggac atccgttctt tacagctcga ttcagcagaa gacaataatg ggggtggtaaa 120

tgacagaggat ggaaggccag aagaagttga gaaatctgat aagatggatg aagatccaaa 180

gcaggatggt gaggctgagc caaaggctgt tgaggctgag ccaaaagtga aggataagg 239

<210> 44387

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 701042794H1

<400> 44387

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cctatatcac tatggggaag acacatggaa tgggagctgc ccgcaagctg aagtctcacc 120
 gtaggagaca aaggtgggct gacaagtcac acaaaaagtc tcatcttgga aatgaatgga 180
 agaagccttt tgctggttca tcccatgcaa aggggtattgt tcttgaaaag atagggtat 238

<210> 44388
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042796H1

<400> 44388

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 caaaaatctc tcgggaagac tttgaattaa tatttgatga gctcgatgat agtcatgata 180
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<210> 44389
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<223> Clone ID: 701042766H1

<400> 44389

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<223> Clone ID: 701042902H1

<400> 44390

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 caagagagat at 192

<210> 44391
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 <213> Glycine max
 <223> Clone ID: 701042903H1
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 <213> Glycine max
 <223> Clone ID: 701042722H1
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 cgtcgtcttc atgttt 256

<210> 44393
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 <213> Glycine max
 <223> Clone ID: 701042723H1

<400> 44393

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 cttgttctcc ccactactct ccaatccaga caactgagga ttccagataa ttttctgagg 240
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<210> 44394

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<212> DNA

<213> Glycine max

<223> Clone ID: 701042724H1

<400> 44394

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 gcattgtggg gcgtccacgt cacactgggg tgatggttgg gatggggcag aaggatgcgt 180
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<210> 44395

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<212> DNA

<213> Glycine max

<223> Clone ID: 701042726H1

<400> 44395

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 aagagaaact tatgtgtgta tgatgccaag ggagatctac aagcttaaaa agttaagaca 180
 ctttctgagt ggttatcaag ggtttcaaag ggatagtggc attggagtag taacatccct 240
 acaaacta cctga 255

<210> 44396
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 <212> DNA
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<223> Clone ID: 701042727H1

<400> 44396

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<210> 44397
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 <213> Glycine max

<223> Clone ID: 701042728H1

<400> 44397

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<210> 44398
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042729H1

<400> 44398

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 aaaggggtatt cttgctgctg atgagtcaac agggacaatt ggcaagcgtt tggccagcat 180

cagtgtagag aacattgaat ccaacaggcg agctcttagg gagctgcttt tcaactgctcc 240
 tgggtgttct 249

<210> 44399
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042730H1

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 tttggccaaa cactccatt cccactgcac tgcgagagct tctaaagcct ctccctgcag 180
 ctgttgaaat cgatgaactc cctaagcaaa ttgatgatac acagtaccca aaaacattct 240
 tctataaaga 250

<210> 44400
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 <212> DNA
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<223> Clone ID: 701042731H1

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 gtttgtctta aaacgtttgg aacataaaaag cccaattgtt aaacagaagg cttaagatt 180
 gataaagtat gcggttggga agtctggtgt ggagttcaga agggaaatgc agagacattc 240
 agtggcggtt 250

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 <212> DNA
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<223> Clone ID: 701042732H1

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 gtgacggagt tgcaaattgg cgtgaagcat aaaccagcat catgtgaagt tctggcacac 180
 aaaggtgaca gagtcaaagt acactatcgg ggaaaactca ctgatggaac tgttttctgat 240
 tctagctttg aaa 253

<210> 44402
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 <212> DNA
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<223> Clone ID: 701042733H1

<400> 44402

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 tcttgtgagg ctgagagggt tttgctctga gaattctcat aggcttttgg tttatgagta 180
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<223> Clone ID: 701042740H1

<400> 44403

aaattattgg tctctgttct ctacctcacc cccaccgca ctcttcttgt ctcaaacaaa 60
 tgcaacaacc acttattctt atagttacta tggactagga acaagatttg attctcattc 120
 tgatatcaga ttcagatttt tttaaaagag actcacgctg gcggtgaaga acgtttctgc 180
 ggcggcggcg gaggaggagg aacagggtta catgactctg atttccaatt ccgacgtcga 240
 aagccacgcc gacgt 255

<210> 44404
 <211> 253

<212> DNA
<213> Glycine max

<223> Clone ID: 701042741H1

<400> 44404

gcaagagtat tgcatttgat tgattgtatt acagtgtcat tttccttcat aaccgatttc 60
cattttatga ttgtgcgcaa cagttcgcag actcacaatg gccgcaatat ccaactcctt 120
atcactgaag cacagtttct ctctgagtcg agctcctcct tcttcctctt ccatcaaatt 180
caaattcaga agatgttacg ccgcgttcgc caatgagaat cgcgagtacg tgatcgttgg 240
cggcggaaat gcc 253

<210> 44405
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 701042742H1

<400> 44405

tggtcgtcca tttcctctc tatttaactt caaacaggaa ttatctgaag catctccagt 60
gcttggttaac aaattgatac ctgaccacgt gaagcggcaa atagggctgc aatttggtcc 120
tccagcagga tcatgatgat gagctttagg ggggctttag tgtatactag ttgatgagtt 180
aaacaaaagt gacaccgtta tttttgtcta aattagcatg ttctgtggcc tgaccagtgt 240
agtttcaa 248

<210> 44406
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 701042744H1

<400> 44406

gggtgcccaa aattggggaa tcaaatcgcc ggctcttagc aatgttgaga ccaaatgctt 60
cacttacttc agccctaaac ttattagttc aagctcaagt aagttcaata ccaatagttg 120
atgatagtga ctcatctactg gatatatatt gtcgaagtga tataacagct ttggcaaagg 180
acagaactta cacacatatt aatcttgatg aatgactgt tcatcaggca ttgcaattgg 240

gccaggatt

249

<210> 44407

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 701042746H1

<400> 44407

attgtagaag gcgatggccg cgcgagctct gttgaccaga aaaaccctag ccaccgtgct 60

ccgcaacgac gcgaagccat aatcggagtt ggcataacag cagcggctac tcattcacgc 120

tggttgacg tgtacacgct acccgatctg gattacgact atggcgact ggagccagcc 180

atcagcggcg acatcatgca gctgcaccac cagaagcacc accagactta catcaccaac 240

tacaac 246

<210> 44408

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 701042749H1

<400> 44408

ccactctcgc gtcgttacca tgccgcaagg ggattacata gaacgccaca gaagagacta 60

tggtaccgt ctcgatcact tcgagcgtaa cgcaagaaag aggcacgtca agttcacaag 120

cgctctgcaa ttgccagaa ggctctgggt attaagggca aaatgattgc caagaaaaat 180

tatgctgaaa aggcgcagat gaagaagact ttggctatgc atgaagaatc atcgtctagg 240

cgcaagactg a 251

<210> 44409

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 701042750H1

<400> 44409

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ctctctctgt ctctcgaaaa ttctcagttt gcagagaaaa tctgaatcat gtcgtggcaa 120
 gcgtatgtcg acgatcacct tctgtgtgac atcgaaggta accacctcac tcacgtgtct 180
 atcatcggcc aagacggcag cgtttgggct cagagtaccg acttcctca gttcaaacct 240
 gaggagataa ctg 253

<210> 44410
 <211> 250
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042752H1
 <400> 44410

gaacagcctc tggtcgatgg aacaatgtag gcaaggaag tcggcaaaat ggatccgtaa 60
 cctcgggaaa aggattggct ctgagggctg ggcacggggg tcccagtccc gaacccgtcg 120
 gctgtcgggtg gactgctcga gctgcttccg cggcgagagc gggtcgtcgc gtgccggctcg 180
 ggggacggat tgggaacggg cccttcgggg cctcttcccc gggcgtcgaa cagtcaactc 240
 agaactggta 250

<210> 44411
 <211> 262
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042755H1
 <400> 44411

tgattcttgg aatttgagtg tggaggtttag catggtagct cacttgacaa aggatgaact 60
 ctaatccggc tctccactat caagattaat tgctatattt tcctttccat ttatctgttg 120
 gatagaatat taggcataat aacaaacttg tcttagtgac attctttggt gcgggctaata 180
 attggactcc atacagggtta gagaaattgt tgccattttg gaccttgatg ttcttttcta 240
 tccttgtcca agaaatggcc ca 262

<210> 44412
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042757H1

<400> 44412

aaacattggt tccgtgatca tctcatcac tctcaccat ggctgcctca tccaccatca 60
 acaacttctt ctctttcttc ttacgcacaa aaccaccacc accaccctct ccaccgcagt 120
 tcaacccccc cactttctcag aaccagaaac cctctctctc acagccccta attgcccaat 180
 acaaccctcc tctttcaccc tcttgcgctt ctctttctga gttgtcctct gttatatgcc 240
 catccatggc gta 253

<210> 44413

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 701042760H1

<400> 44413

ctaattccctc tttcttcttc ttctcagta gtgcgatttt cgattctctt ctctgcaact 60
 atgcctaacc ctaaggtctt ctctgacatg accatcgccg gtcaacctgc cggccgcac 120
 gtgatggagc tctatgccga cgtgactccc agcaccgccg agaacttcg cgcgctctgc 180
 accggcgaga agggcgccgg gcggagcggc aagcccctcc actacaaagg ctctgccttc 240
 caccgcgt 248

<210> 44414

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 701042762H1

<400> 44414

ccgcaaattg ttttcttttg ctgtcactgt tgccgaatcc ctactttct cactctcag 60
 caccattcaa tctctttctt ctactggcaa taagcatcag cactctgcca catccagttc 120
 ccttctgagt gttctttctt tctactctct ccagtcgggc caaagcgaac tctttccatc 180
 attttcagtt ttttctgtca agtgctgttg ctctgtctcc caaacttatc caaatattgc 240
 ttg 243

<210> 44415
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042765H1

<400> 44415

ggaaacccta gctggatagg tcaaacaatca tcatgtcgga cgaagagcac catttcgagt 60
 ccaaggcaga cgccggtgcc tccaaaacct accctcagca agccggtacc attcgcaaga 120
 acggctacat cgtcatcaaa ggacgcccct gcacggttgt cgaagtctcg acttccaaaa 180
 ctggaaagct cggtcacgcc aagttccact tttttggaat tgatattttc actgccaaaga 240
 tacttgagga 250

<210> 44416
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042721H1

<400> 44416

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 cgctcggcga ggcccgcggt tcggccgagg gaaccggccg gtccggttca ggttacgac 120
 cccaaaccca aacccaaagc ggccggaggcg gaaggcgcca acatcgtttt gcagccgcgg 180
 ttgtgcactc tcagatccta cggttcggat cgagccgggg tgcttatcaa gactcgcaag 240
 gagggtgacc atgatg 256

<210> 44417
 <211> 83
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042688H1

<400> 44417

gtttgtggat catcaccaat ctcttcttgc taaagtaact tgcctttcat ctcttccttg 60
 ttagctttcc acacaatctc atg 83

[illegible]

<400> 44418

<210>	44419
<211>	254
<212>	DNA
<213>	Glycine max

<400> 44419

<210>	44420
<211>	256
<212>	DNA
<213>	Glycine max

<400> 44420

17795

cagaagttga ggaagacggc tacgaggcgg tgtcgcaact gtttgaaccc gtatagggat 180
 cagaaccctg gtgggggtag gtttatgtgt tcgtactgtg gccatgtttc aaagaggccc 240
 gtttttagact tgectg 256

<210> 44421
 <211> 257
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 701042692H1

<400> 44421

gaaagatagt gagtgaagta actgaagaga agaaaaaatg ccgtgcctca acctcagcac 60
 caacgtgtcc ctccaaggcg tcgacacctc ttccatcctc gccgaagcca cctcctccgt 120
 cgccagcata atcggcaaac ccgaagccta tgtgatgatt gtactgaaag gatcagtacc 180
 catagctttt tggtggggat gagcaaccag cagcttatgg aggattgggt ccattgggtg 240
 tcctaaccta gtgtaaa 257

<210> 44422
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042693H1

<400> 44422

tcgctaacag taacagggtg aagagtaagc gaaaccctac gcgcgtgttc cttccggtga 60
 aactatctta tcctctccgg gatctgaatc tgagaaattt aatgcactac tacttcttct 120
 cgagaaggat ccagaagaag aagaagaaga agagccacac tcaccgcaa tgagcaacat 180
 ccgtcgctgc cagaggattc tcctctctc tctcttctt ctctccgtcg tcgctcctct 240
 cgtcttcgtc tctcaccggc 260

<210> 44423
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042694H1

<400> 44423

ttcacaaatca ctttttgcg cttctctact cactcactct tcttcttctt cttcgtgtgg 60
 ttttctttct cgaactcgaa cgaagatgcg tgagattctt cacatccagg gagggcaatg 120
 cggaaccag atcggagcca agttctggga ggtggtgtgc gcggagcacg ggatcgattc 180
 aacggggagg taccaagggg acaacgagtt gcaactcgag cgagtcaacg tctactacaa 240
 tgaagcgagt tgcg 254

<210> 44424

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 701042695H1

<400> 44424

atagttttga agagatatgc atcaagaaag aagcgtttga gggagaagag aagttttgtg 60
 caaaatcctt gggaacagta attgggtttg ccatttcata gctgggaaag aacattcaag 120
 tactttcaag ttcctttgtc aataagcaag agcaatacac tgtggaagga ctgcagaatc 180
 ttggagacaa agcagtgatg tgatcatgggc taaatttcag aactgcagta ttttactgcc 240
 ataaagtccg tgaaacaaca gctttt 265

<210> 44425

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 701042696H1

<400> 44425

tccagttctc tcttttcccc atcacttctt atctgaggca aaagaaagac actaaaaaaaa 60
 ttatccacag catcaaagtt ggaatctccc ttgtattgat ttcactcctg tacttcgtgg 120
 atcctctcta tgagcaagtt ggagataatg ctatatgggc tatcatgact gttgttgtca 180
 cttttgaatt ttctgcgggt atagagctac gctaggaaaa gggtttaaatc gcggaatggg 240
 aaccatatta ggaggtggac tgggttgc 268

00222E0"ETTE66

<210> 44426
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 701042701H1

<400> 44426

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aaggaaaagg ttcacatcag tattgtggtc attggccatg tcgactctgg gaaatccact 120
accactgggc acctgattta caagcttgga ggcattgaca agcgtgttat tgagagggtt 180
gagaaggaag ctgctgagat gaacaagagg tctttcaagt atgcctgggt gctggacaaa 240
cttaaggctg agcgtgaaaag 260

<210> 44427
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 701042702H1

<400> 44427

gtgatctaac cgaacaatcg catatttctg ttctgccttc ttctactcaa tacattacct 60
gcctctagtc tcgtttccag gtttgaata ataataattt tagtttcttc gttacgcctg 120
cgttgtgcgt gagaaagtgc gcgtggtgaa aaccatggct ttcagctcc tgagacgaac 180
cttcggaagt cgcattcttg caaacctag ggccttctcc ttctcctccg ctgcttccac 240
tccgatccgc gccactc 257

<210> 44428
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 701042703H1

<400> 44428

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ttgattgagg atgccgaaga acaagggaaa gggaggtaag aacaggaaga ggggaaagaa 120

cgaggcggac gacgagaagc gggagctggt gttcaaggag gacgggcagg agtacgcgca 180
 ggtgctccgg atgctgggga acgggcggtg cgaggcgatg tgcacgcgac ggacgaagag 240
 gctctgccac atccgcggga 260

<210> 44429
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042704H1

<400> 44429

ccatgctctc ccaaacaaga agcgattaag attagatttt tcagcaatga acaacaccaa 60
 cccaaccaag aatgctgcaa cgccgtcggt tttaccaaac cctggaacac cctccatccc 120
 catgaaccac cttctctccc aaacgcagcc tcaaccacaa ggtgccacgt cacacttcca 180
 cggccacttt cagctttcac aaccccaaac ccacgtgctc gcaccacaac aacagccaca 240
 ccctcatcct catcctcaag 260

<210> 44430
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042706H1

<400> 44430

ctttttgatc ctcatagtgg tgacaactat gataggggatg aggatcatct ggcattgatg 60
 atggagcttc ttgggatgat gcctcgcaag attgcacttg gtggatgcta tttccgagat 120
 tttttcaaca gatatggaga tttgaggcac atccgtcggt tgcgtttctg gcctcttaat 180
 aagggtgctga cagagaagta tgatttcagt gaacaagaag caaataacat gaccgatttc 240
 cttcttccat tacttgat 258

<210> 44431
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042707H1

<400> 44431

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 agattcagtt ccattatattt cgcctgttca tgacgctgct tctttgactc gcaactcttt 120
 ccctgctggc ttcattctttg gggctggatc ctcagcctac cagttcgaag gagcagcaaa 180
 ggaaggtgga agaggaccaa gcatatggga taccttcaca cataaccatc cagaaaagat 240
 aagagatgga gccaatgg 258

<210> 44432

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 701042708H1

<400> 44432

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 ctttctttgg tagaattggg aatttattaa gacagacagc aagcaggcag gttagttcag 120
 aattgcatc atccccctcg ttttttcagg ctatacgag tatgtcatct gtcceaagca 180
 caaagctgtt tatcggaggt gtttcatatt ctactgacga gcaaagtttg agggaagctt 240
 tttcaaaata tggatgaagt 259

<210> 44433

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 701042710H1

<400> 44433

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 gcctagtacg ggtctgtttg ttggactgaa caagggtcac gtcgtcacca agaaggaatt 120
 gcctccacgc ccctcagatc gtaaggggaa aacaagcaag aggggtgcact ttgtgaggaa 180
 cctcataaga gaggtagccg gttttgcacc ctatgaaaag cgtataactg agttgctgaa 240
 gggtgggaag gataagag 258

<210> 44434

<211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042711H1

<400> 44434

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 cactttattg ttgtagcag tcaatgtcgt ctttaagatc tctccaaaga aagctgatga 120
 gaagacaagg tttttttcac tcaaaggcac cagcaaagtc actttctoca ccatcaccac 180
 cacttcttag caagacctca ttgacacccc cagtttctcc aaagtcaaag tcccctaggc 240
 ttcttgccac aaagagag 258

<210> 44435
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042712H1

<400> 44435

gagatagacc ccagaagtgg tttctgcagc tccaattcaa tcttctacag caagcgtaag 60
 cccctccac tccctcccaa caacgccttc gacgtcacca ccttcatctc ctcccgcgcc 120
 caccgcgcca ccacagcctt cgtcgacgcc gccaccgccc gccgcctcac ctacaccag 180
 ctatggcggt ccgtaggggg cgtggcagcc tctctctccg tggacatggg gatccgaaag 240
 ggcaacgtgg tcct 254

<210> 44436
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042713H1

<400> 44436

ctagtgggtga aggagatcaa aactttggct ggctcttggc agaaagtctt gttttctcgc 60
 atctttcggg aagcccatgg cggatgtttt atagccaagg aagcgtatgg gatgtgtgaa 120
 gatttttctc tcttctctgt tattcccaat tgtgtttacc tggtcgcagg ggttcttagt 180

tggggtttca gcccttttgc tcaccaaaaa aaaataagaa actactgggt gtggcttttg 240
gtgtgtttga ag 252

<210> 44437
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 701042714H1

<400> 44437

gaaaaacata tcacacaata tggcattcaa gggctatttc cttctcggcc tcgttactct 60
tgttcttggt aaatcttcca aagttacatg cgaacagaa tcggttaata cagtttcacc 120
cattattgac atttcactca atcggaagag cttcccagaa gggttcatat ttggggcggg 180
atcttctctg taccagttcg aaggggcagc aaaggaaggt ggtagaggac caagtgtatg 240
ggataccttc acc 253

<210> 44438
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 701042716H1

<400> 44438

agacacaaaa aaatggctag tggccgcaat ttgaagaacg ctgtgattgc attcttggtt 60
cctcttcctt ccatcttctt ctacctctca ttctcaacc actacgactc agcaaaatcc 120
ccatctttttt ggtcaactct atggatcatg tgctatcacc accctcttct attagccaac 180
gctctcttct tctcaacgt caatgtcttc ttctggctca taggcctaata acaatccagc 240
cactggatga tcga 254

<210> 44439
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 701042718H1

<400> 44439

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gagcgaggcg atggagtgtt tggaacacat atgctatgag ggggtgcaccc acgttggacc 120
gtacgatgcg gaggtgaaga gggagaggac gccgtgtggg agattcgcca cgtgccaggg 180
tcttcaggtt ctgatccgcc actttgccac gtgcgagaag aagggttcgcg gtggctgcgt 240
gcggtgcaag agaattg 256

<210> 44440
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 701042720H1

<400> 44440

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tgcgggagat ttggtggtga ggggtgaaat gaggggtgctg agcttatggg tcatggtttg 120
cagggttttca ctgagactga gttgatgaat ggtgagctta gctatggcgt cttccaactt 180
ttcagagttg gacttcgagg ccatgagagc gagacgagag caccaaattg ttaggaatgc 240
gtttataaat tc 252

<210> 44441
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 701042687H1

<400> 44441

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caaggggcaa aagataaagg ggacagtggg gttgatgcca aagaatgtgt tggacttcaa 120
cgccataacc tccatcggtg aagggtggtg tattgacaca gccaccggca tcttaggcca 180
aggcgtcagc ttagttggtg gagtaattga tactgccact tccttcttag gccgtaatat 240
ctccatgcaa ttgatcag 258

<210> 44442
<211> 262
<212> DNA

<213> Glycine max

<223> Clone ID: 701042656H1

<400> 44442

cgggggaaga ttttcatccc ttgggactaa taacatagta ggccaacggg ggaagatttt 60
catccctttg gcctactatg ttattaggca cattctaagg aaaggtttga gtgaaaatcc 120
taaaacaaag tttatcatta cgggtcatag ttgggtgga gcactcgcaa tcttgtaccc 180
tacgatcatg ttcttgcag atgagaagtt gctgattgag aggttggaag ggatctacac 240
gtttgggcaa ccagagttgg ag 262

<210> 44443

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 701042657H1

<400> 44443

atggatcaga aagtcgattt cagtgtccg cattccatgg gaaccactat catcggcggt 60
acttacaacg gcggtgtcgt tctcggagcc gactctcgaa ccagcactgg agtgtatgtt 120
gccaaaccgag catcggacaa aatcacacag ctactgata atgtttacgt gtgtcgtctt 180
ggatcggctg ctgattctca gattgtctct gactatgtgc gctacttctt tcaccaacac 240
acgatacact tggaca 256

<210> 44444

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 701042659H1

<400> 44444

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atgcgagtcc ctctgtgaa gcctttgaag caaccaaagc cgaaggctaa ggacccaac 120
aagagggata tgagtcttga ggagaaacac aagttggggg tagggttgca gagtttgccg 180
ccagaaaaaa tggaacaggt ggtgcagatc atacggagga ggaatggaca tttgaagcag 240

002220"ETT560

gatggggatg agatcgagct a

261

<210> 44445
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 701042662H1

<400> 44445

gttttgaagg tattgcaaat gtgagatgcc ttataacccg gatgatctca tggtaacaatg 60
tgaagggtgc aaggattggg attatgtgat tccagcgctt gcagaatgaa cgccgtaaaag 120
ggtgttaagg tggtgttaaag gtcaaatttg gtagtaaaat gagaagggga atggtgtgtga 180
caacaggaag ctcatagaaa atgtaccatc ctgcttgcac gggcatgact attgaagaag 240
ctaagaaact agatcatttt gtagt 265

<210> 44446
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 701042663H1

<400> 44446

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gtggccgcgt ccgacgccga cgacatcctg atccgtcagg tggtgccaga tgttgccgaa 120
gctgaagagg aggacaacct gctgaacgcc gagcaccact ccgagagctt caaggccaag 180
ttcgccaaga cctacgccac caaggaggag cacgatcatc gtttcggcgt cttcaagtcc 240
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<210> 44447
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 701042665H1

<400> 44447

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cgctgggagc gaacaagttc ccggagagac agccgattgg gacggcggcg cagagccaag 120
 acgacggcaa ggactaccag gagccggcgc cggcgccact ggttgacccg acggagttaa 180
 cgtcatggtc cttttacaga gcagggatag cagagtttgt gggcactttt ctgtttctat 240
 acatcact 248

<210> 44448
 <211> 263
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042666H1
 <400> 44448

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 ccaaggacgt agcgcagagg atccttctct cagttgaatg ccaaagagg aggtgttcct 120
 acacgctggg .tttggtgag ccgaacctag cgggcaaacc gagcctgctc tacgacctcg 180
 tgtgtaagcc gaacgagatc cacgcgctga agacgacgcc gtacgatgag cgcgtagaga 240
 atcacgagaa ccacgcgttg cac 263

<210> 44449
 <211> 261
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042667H1
 <400> 44449

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 atgattgagg ctgccaggat taacggcatt aagagggtttt tttatgcctc tagtgcttgt 180
 atctaccctg aatttaaaca gttggaaact aatgtgagct tgaaggagtc cgatgcatgg 240
 ccagctgagc ctcaagatgc a 261

<210> 44450
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042668H1

<400> 44450

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 tcctttgtct tcttgagttt tatcagagac gggagtgcag ggatcactag ctctttcatt 180
 cggtcagagt ggccggcagt tgacatcccc cttgatcatg aagcatttgc agttccaaag 240
 gggtataatg cacctcaaca 260

<210> 44451

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 701042671H1

<400> 44451

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 gcaatcgacc ccgattatgg ccaacagtaa cctccctcga agaatcatca aggaaacgca 120
 gcgtttgctc agtgagccag cacctggaat tagtgcgctc ccttcggaag acaatatgcg 180
 gtatttcaat gtgatgatcc ttggcccaac tcagtcgcct tatgaagggg gagtttccaa 240
 gttggaatta tttttgccag aa 262

<210> 44452

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 701042672H1

<400> 44452

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 taaggaaggc gacggtgaag gaccttctgg cgatgcaggc gtgcaacctg ttctgcctcc 120
 ctgagaacta ccagatgaag tactacctct atcacatcct ctctggccc cagctcctct 180
 acgtcgccga agactacaac ggccgcatcg tcgggtacgt cctcgccaag atggaggaag 240
 aaaccaccga ctgccacggt ca 262

<210> 44453
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042673H1

<400> 44453

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 tctgtcaagc ttgctggagc ttgcagccaa caacgatgtc tcgggtttca aaagactaat 120
 cgagtgcgat ccttctctcca tagacgaggt tcggttgtgg tatatccgtc acaaagagtc 180
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 tgatgtcatg aagctgat 258

<210> 44454
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042674H1

<400> 44454

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 agggcacccg ctgggccgctc ctctcgccg gttccaatgg ctactggaat tacagacatc 180
 aggctgatgt ttgtcacgcc tatcaaatac taaggaaagg tggcctgaaa gaagaaaata 240
 ttattgtttt tatgtatg 258

<210> 44455
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042675H1

<400> 44455

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tcaactccgg cagtgcggtt gctgagagca tcgccgcctt tgccaaccgc cgccaccgcy 180
 gcgtgtcggg gctcagcggg agtggcattg tcgccaacgt cactctccgc cagccccgcy 240
 ccccgccgg cgtcataa 258

<210> 44456
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042677H1

<400> 44456

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 cagaactatg attaagcttt ttaaagtaaa ggaaaagcag agagaacttg cagaaaatgc 120
 aagtggcgga ccacctgtta agaagcaaag tgctggagag ttgcgtcttc acaaagatat 180
 aagtgcgctg aatctaccaa aatcatgtac catgcaattc cccaatggca aagatgatct 240
 gatgaacttt gaagtttcaa t 261

<210> 44457
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042678H1

<400> 44457

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 tgattttcaa gactatgcgg atctttgctt taaggaattt ggagataggg tgaagtcttg 120
 gagtactttg aatgaaccat ggttggtcag ccagggtggc tatgcaaccg gagcgacggc 180
 accaggaaga tgtaccgggc cacaatgcct cggtggtgat gctggcactg aaccttacat 240
 agttacacac aatcaaattc t 261

<210> 44458
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042679H1

<400> 44458

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 cggcttacat gcctccacgt ggcaggcaag gtgggtccacg gcaacatcaa atcttccaac 120
 atcctcctcc gagggccgga ccacaatgcc ggcgtttctg acttcggcct caacccttg 180
 ttcggaacg gagccccgtc gaaccgcgtg gcgggctacc gggcacccga agtgggtggaa 240
 acccggaagg tgagttcaag tctga 265

<210> 44459

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 701042680H1

<400> 44459

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 ctgcaaggaa cagcactagc cttctttgga ttatggcaca ccatccacac catcagatct 120
 tacctggtga agggccctgc caacttcact gtaagattct ggtaccagtt taacactacc 180
 cctcagtcta gacttaaaca cttagaactt gtttctattt tctccttttc catccttgca 240
 tttttcgatc aaattctaga cttccctc 268

<210> 44460

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 701042681H1

<400> 44460

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 tggtctcttt tttacttctt cgtattatat tgttggtctg atggctgtgc ctattttaaa 120
 gttgttgact ttcttcggtt tcatgggtac ccatttataa tcatatgtga ttgcacgttg 180
 cagtatatgt ttatatatat aatgcggggg gttaatgtat aaatatgttt tttttttttt 240
 ctgggggttat ttgttt 256

<210> 44461

<211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042682H1

<400> 44461

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 ttctcttttg gtgtcctctc ctcggtcaa ctccgtttac tataaatatg accactcttt 120
 tcttcctctt cttcaacttc aatactcacc tttgaatgga ttctaattct tcttctccaa 180
 gtcccaacaa ccacgcttcc acaacaaaa tcaaccgttt ctttcatccc aagctggggt 240
 cccaacctgc caccagctcg 260

<210> 44462
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042683H1

<400> 44462

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 ctttttgcaa ctgttctctg gattttcggt cattatttta gtttctctt ttgttttctc 120
 tcctttttct ttgaagcaaa gtgaacttgt ggtatacctt tccaattgag gtttctagcg 180
 aaagagaaag gatgtcaagt gggacaacat actggtgtta cacatgcagg cagccaatct 240
 ggcttgaagg gagggaagg 259

<210> 44463
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042685H1

<400> 44463

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 ctctcaatct cttttccaaa tggccagcgt tgagggttga cagcaaacac caacaacagt 120
 tccagaaaat gaaacaaccg aggtaagcaa gaccaggaa acaacccag tcactgaggc 180

tcttgcaaca gaacaaccag cagctgaggt tcttgcaaca gaacaaccag cgcgtgaggc 240
tcttgcccca gaatcaacca 260

<210> 44464
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 701042686H1

<400> 44464

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tagtggtcct ctgaaaaaga gaattcagca gcttggtgac tctaatacctg tcatgctttt 120
catgaaagga actcctgaag agccaaaatg tggatttagc aggaaagttg ttgttggtgtt 180
gaacgaagag agagtcaagt ttggaagttt tgatgtccta tcagactcag aggttcgtga 240
aggcttgaag aagttttcca a 261

<210> 44465
<211> 278
<212> DNA
<213> Glycine max

<223> Clone ID: 701042654H1

<400> 44465

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attctcctgt tcgtgtcatc gattgggaat attgcggtgc tggcaatgct aactttgtgt 120
ttctgactca ttgtacttaa ttaatttcta gctagccact ctgtcatgac tttgttttcc 180
ttttccaccg attttccagc ggctgggagc ttaataaaaa aaaaaaaaaa aaaaaaaaaa 240
aaaaaaaaaa aaaaaaaaaa aaaaaggggg ggcgcccc 278

<210> 44466
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 701042627H1

<400> 44466

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 cttccagagg ctaagagcct tgaacggaga gaggagtcgc ttggcgagaga gctttgagta 120
 taactatggt gatTTTTATTC ccattcttgag acccttcttg aagggttact tgaagatttg 180
 caaggagggtg aaggagacga ggttgaagct tttcaaggat tacttcggtg acgagaggaa 240
 gaagcttga agcaccaaga gcac 264

<210> 44467
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042628H1

<400> 44467
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 tgctcctctt aggaagtatg ttaggtacta cagggacttc gtgctggagc tcaacaaagc 180
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 ctgccgtcgg atcagtgatt tctg 264

<210> 44468
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042629H1

<400> 44468
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 ttttctctct aacttccaca tggacgacgt cgctttttac tctctgcttt tctgtgctt 120
 ctttcaatcg gtgcgaggga ttttggaccc caacgatttc ctcgctctgc aatcaattcg 180
 gaaatccctt cacgatgttc ccggttccaa tttttctcc tctgggact tcaccgccga 240
 cccctgcaac ttgccggcg ttttct 266

<210> 44469
 <211> 269
 <212> DNA

<213> Glycine max

<223> Clone ID: 701042630H1

<400> 44469

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 ctcccttctt cacactgctg ttgatcttgt taacgagacc aagttggatg acgagatcaa 120
 gtcattggcta gcatttgctg cacaacaaat tggtgaagtt aacgcattgg ctaaggcatt 180
 gtctggcaac aaggatgtgg cttcttctc tgctagtgt gcagctcagg cttcaaggaa 240
 gtcctctcca agagtgaacca acgaggctg 269

<210> 44470

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 701042632H1

<400> 44470

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 ttcaatcatt tcgagaatat cgaattttca atttcgtgtc ttccattttc gggttcaatt 120
 ctgaggtttc atacaaacaa gggaagatat cacattctta aagattcaca atttcagata 180
 aatattatat gtatctgaaa cttttttaat aagaagaatg ccaggcattc ctgttgcagc 240
 tcgtgctacc tcaagccatc cagatgcttg tga 273

<210> 44471

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 701042634H1

<400> 44471

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 tggggccagaa agcccaaagg attaggacag tgagatccca taaaaacaaa acaaaaggac 120
 aaaacgacag cacttcttct cttctctcat ttttcagttt ctcagtttct tattcgtaa 180
 tcgttagatc tcattcttaca ctcaccggcg agtccatctc gcgccaccgt cgactgagct 240

ccggccatcg ccgttggttc cctcact

267

<210> 44472
<211> 247
<212> DNA
<213> Glycine max

<223> Clone ID: 701042635H1

<400> 44472

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tcagaacaaa aataggtctt cttcttctct gatctaccaa agcttcaa at tctccttagt 120
ttggtttgac tgtgagtttg gagtgtaatg tcgccgccga cgctggtaac ggaggaggat 180
gggcggacaa ccgtggcgct cgattcttcg caatccttgg actgtttctc tcagaatggt 240
gctggat 247

<210> 44473
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 701042636H1

<400> 44473

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ggttctctct cactccgcaa ccagtctttc caactctctc tctctctacg aaaccctaaa 120
cttgaaacct accccactca tcgtgtgtgt gtgtgcagag atggcagaag aggattcaaa 180
gcctctgaac tacatctccg aggtcattct caagaagagg aagaacaccg aagcatgggc 240
tttaaggaaa aaagacagtt 260

<210> 44474
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 701042637H1

<400> 44474

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 ctctctccgc tgatttcacc agacgcatcg aacgagcttg gtcaatttct aagcaaccaa 180
 ggccaatcgt gtgttcgtct tgcgactcaa aagggcatat tgaatgtaa tggtgtgcgg 240
 gtactggttt ttttattctt gg 262

<210> 44475
 <211> 266
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042638H1
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 gagtcgttgt cttgcggagg ataatggact tgttatgaac ttctacaagg aatcatgccc 120
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 tgctttctcc tggctcagaa acatcttcca tgactgtgct gttcagagtt gtgatgcttc 240
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<210> 44476
 <211> 263
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042639H1
 <400> 44476

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 atctaccgaa tgaagctctg ggccaccaac gaggttcgcg ccaagtccaa gttctgggtat 180
 tttctgagga aactgaaaaa ggtgaagaag agcaatggcc aagtgcttgc catcaacgag 240
 atttttgaga agaaccaacc aaa 263

<210> 44477
 <211> 268
 <212> DNA
 <213> Glycine max

0053113.032200

<223> Clone ID: 701042640H1

<400> 44477

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tcaacattcc caattccatg aaaaccaccc ttcaacgcct ctttcaatcc ttttactccc 180
ttggcactgt catacactct agacttcac gtccattcac caccataagg ccacgtgggtg 240
gtactgccac ttctaattac taccatgt 268

<210> 44478

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 701042641H1

<400> 44478

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tcgcttatga atcttcttct tcttcttctt cttgttcttg caacgcactg aattcgatca 120
atcaatccat cttcaattgc tttgtttcga tcggaggaaa atggccgatc agttatcgaa 180
gggagaggaa ttcgagaaaa aggctgagaa gaagctcagc ggttggggct tgtttggtc 240
caagtatgaa gagccgccga 260

<210> 44479

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 701042642H1

<400> 44479

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caatccacgt agaacacttc acgtgtcttg tggctccaca tcaccacatg cttcccagag 120
atcatcaatt caggggggtg aagctttttt caggggtgtg ttggaaagta tgcaatctgt 180
ttacttgaac agaaatcgta ctgctaaggc catattggac cttgttcact ctgctgagaa 240
taactcatta tgctatgatc at 262

<210> 44480
 <211> 262
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701042643H1

 <400> 44480

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 tctacaggtc aggaaccttt tctattgatg ttcagtatga tgacgtgagt ggtttgcaaa 120
 cacctgcaaa gatcagcaca tatactattg gccctttcca atctacaaaa aatgaaaaag 180
 caaaagttaa agtgaaagtt cggttgaatg tgcattggaat tatatctgtc gaatctgcaa 240
 ctctactgga agaggaagaa ga 262

<210> 44481
 <211> 263
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701042644H1

 <400> 44481

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 tgggactcca ttaatctgga gcatccctca acttttgaga cgctggcgat ggagccggag 180
 ctgaagaatg cggtgataga ggacttggat aggttcgtga agaggaagga gttttataag 240
 agggttggga gggcgtggaa acg 263

<210> 44482
 <211> 266
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701042645H1

 <400> 44482

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 agaagaagaa caaaccaatg gagtctccaa cgacgccgtt tcaacgctac ccaatgacct 120

tcaataccct ggtatctctg ctgttattcc cggttggttc tcagaaatca gcccaatgtg 180
gcctggggag gcgcactcct tgaaggtgga aaagattttg tttcaaggga agtctgacta 240
tcagaatgtc atggtcttcc agtcat 266

<210> 44483
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701042647H1

<400> 44483

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acgcaaacc taatctcggt gaagcagaag cttctcgagt tatcctctaa ccagcgagtc 180
gactcggcgg caatctccga gtcactgcag atccccattg agcacgccag gctcgtcctt 240
gataccctcg cctcgattct gcactccgac t 271

<210> 44484
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 701042648H1

<400> 44484

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ggcttcatcg ctgagaagag atgcgctcct ctaatgctcc gtttggcatg gcactcttct 180
cggaaccttt gacaagggca cgaagaccgg tggacccttc ggaaccatca agcaccttgc 240
cgaactggct cacagcgcta acaacggtct tga 273

<210> 44485
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 701042649H1

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 aaatagcttc ccctctgagt agtggatttt ctgattatgg atctaagtct aatggacagt 180
 ctgtgggttg taaacttcga ccaaagggtc atgtaggtaa aggactgagt gaagtaaagt 240
 gaagttctga tgttttaggt gagg 264

<210> 44486
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042651H1

<400> 44486
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 tgagtcgttg tcttgaggag gataatggac ttgttatgaa cttctacaag gaatcatgcc 120
 ctcaggctga agacatcatc aaagaacaag tcaagcttct ctacaagcgc cacaagaaca 180
 ctgctttctc ctggctcaga aacatcttcc atgactgtgc tgttcagagt tgtgatgctt 240
 cactgttgct ggactcacia gaa 263

<210> 44487
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042652H1

<400> 44487
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 ccgcgcgtac gttacaggaa ccacctctac ggccaggga cggatcggcc ggtgaacgga 120
 gcggtttgcg gctttgatcc cggcgagctg cgactttttg tgtcagagag tgaaaatgcy 180
 acgggacttg aatccatttc gtcggttaata gaggaacggg attcgaagaa gtttgtgtgg 240
 gagaatgggt gcttgcttca ctgtgagctt ccaatta 277

<210> 44488

<211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042653H1

<400> 44488

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 caaccgatca tgttctagac ttctctctct cagctggaga tgattcaaca aagtatagct 120
 tctaaatttt gtgagtatag tctgggcaat tgtaaaatgg acttgcctaa tcgtgataaa 180
 caactgactg ttgctgtgaa gaagacagca ttgagagatc tgcaaaatga taataaaatc 240
 atggtgccaa ccctgttga ag 262

<210> 44489
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042626H1

<400> 44489

atcttctctt attggttgtt ctatgtctgc tcatgaacta actccctctc aatcccctac 60
 ctaatccctt tcaatttccc catttttttc cccatttttt ttctaataa atcagatatg 120
 taaaatccta atttctctaa ccctaacaaa acccccaaaa ttcaaagaag aagctggaga 180
 tctgcgcgag ttcaagatcg tcggaggag gagagatcc agtggatgat gatgagagaa 240
 agaggaagcc aatggagtca aaccg 265

<210> 44490
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042591H1

<400> 44490

aaaccctact cattctccat acctcaacga agagggtaaa gagacggcaa cactttgctg 60
 tccgccttga ccgagcagag cttcgtcttg gccctcgatt ttgccctaaa gtactcccag 120
 tcacaacaga caccgtcgtc gttgtcgtca tcatcaatgg caccgaagca gaccaaggct 180

0022E0'ETFE56

gagaagaaga tcgcttacga tgcgaactgt gcgacctaataat ggaggagtac ggccagatcc 240
tcgtttgtgaa ctctgataac gtgg 264

<210> 44491
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 701042592H1

<400> 44491

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agagtgggagc caaagaggct tttgggaacg acgtcgttgg gcgttagggg tccggcgagg 120
ctgtaccacg agaggggttg ggatcactac gacaaccccc ggaacgttgg atcgttagac 180
aagaacgacc cgagcgtggg gacgggtttg gtgggggcac cggcgtgcgg cgacgtgatg 240
aagctccaga ttaaggatga cga 263

<210> 44492
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 701042593H1

<400> 44492

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ttggcttcag tgataaattg tcagcatcta tttcaagggt tcgtcttttt tgtgcctttt 120
ttccccaga aattcataaa ttctgtggaag ttctccgctc gatttgtgca ttgaattggg 180
gccgcattta ctctacgaat tgaacaagggt ggcattgatgc gatgagatga tgttctatga 240
gggtattctc agtgaacac t 261

<210> 44493
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701042594H1

<400> 44493

tgtaattgta gagccaccac aatcgctacc cttggctgca agtgtaagcc taagcctgag 60
 acataccata gagaaagtga ttcaattaat atattatatg gtgtttctct tcaattccca 120
 tggagcctaa gacacaacct caagcgaata gtcctccacc aaaaccttgg gaacaagcgg 180
 gttcctcttc tgggccagca cctttcaaac ctccgtcagc tggcaacaca agtgatgtag 240
 ttgaggcttc agggactgca aaacctgggg a 271

<210> 44494
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042595H1

<400> 44494
 cgaaaatgtg gaagagaacg ggttttgaag aagaagcagt tcaattgac aactcagatt 60
 tcagggacct aagtctagct gctaataagac tcgcccata tgccatcaaa cttggtggca 120
 ttggcttttg agcctctttt ttcggattgt ttgctgccat tgctgctatt tatctgttga 180
 ttttgatcg tacaaaactgg aaaacaaata ttctcacagc actactcatt ccatacattt 240
 tcttcagctt gccttcatta attttcg 267

<210> 44495
 <211> 276
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042601H1

<400> 44495
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 tcttcactgt ttcaatagcc gctgaatctt ccagctcatg ccccatggat ctcaactatg 120
 ttgagacctt tccatgggac tcttcactct gcagagaccc tggtgacaag aaccactgct 180
 gccagtcctg ctaagtgtaa ttggcatagg actttcccaa catctcaaac aaacttcctt 240
 gtttcaactt cccaatgaaa ccatttcctc caattg 276

<210> 44496
 <211> 273
 <212> DNA

ggtacggcac cttcaccccg atccaacgg

269

<210> 44499
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701042606H1

<400> 44499

gcaaatttct actttctggg ttttctatct gagattcggt gttccaatga gcgatcactt 60
ggtggtgttc gttgaccgtc tcgcgcgccc tgtccccgtt gacccggtgg cgcagccgcc 120
ttccgagccg tctcctctc cggcccccggt gaatgctgac gcttccggga gctccggcac 180
cgctccggtg gaggattgtg acggagaggg cggcggcgag gaggagccgc tgatccagat 240
ggcggagtgc cgcattctgcc aggaggagga 270

<210> 44500
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 701042611H1

<400> 44500

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caaattggag aggaaaaaga gcagcctaag aatgaaaccg agaagaagcc cgaggaggcc 120
gccgcagccc ccaagaaaga cgacggaccc atccctgtcg tttacaagct cgacttgcac 180
tgcgagggat gcgtcaagaa gatcaaacgc acatgtcgcc acttccaagg tgtggaaacc 240
gttaaggcag atctatcgtc gaacaaag 268

<210> 44501
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 701042612H1

<400> 44501

gaatagatta cccaagggtg cacgaagctt gtcatacaca tcaggggtct gtgcatggag 60

cttactctgc tggggttatg gctgctgaaa attgtgagag ctatatgtta gagaaactag 120
gccacgcaga aaagctatct ctagcttctg ttaggcatga aatgcttgaa actcttatac 180
ctcttcagat ctcgaggatg tgatttgttg gtgctcagta gcttttagac aatgattctg 240
cataatgcaa tggcaaaata tttgcca 267

<210> 44502
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701042613H1

<400> 44502

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cttgttcttt tgcctattg gggttcttag tcatgccatc accaaagaaa tgactaaaag 120
tgccagaaaa aacaagcaca gctctataga gggcacctac ttgctttccc acataaccaa 180
aaaagtaact taatttaaaa acttgaacat gaatttctga aactcttaaa cttcatgttc 240
aagtttttaa ctttaagttac ttgtaatttt g 271

<210> 44503
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 701042614H1

<400> 44503

aattttcaaa gccagacaga caaacatgtc cgagaatatt gagtccaatt ctccttcgct 60
ttccctcttt atctgaaagg tatggagtgt tttgacttct ggaagagata atggtgcagt 120
gcctatccgg attaaagcat ttgtgtgctg ctctggtaaa ttgttgtgat gccgattcgt 180
caaagcaacc tacaggttta gaaaatccag aagttcttgc aagagaaaca gtgttttagtg 240
taagtgaagat tgaagcgctg tatgaattgt tc 272

<210> 44504
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 701042615H1

<400> 44504

taattacttg ccttgaggaa cgttccagac cacatacaga ggtttctcta gtgatcttcg 60
ttcttctgtg gagatcttgt tttttcatct cacttttctt ctaattaagg aacaagcttt 120
ccgcagttga aaaccctagc tagctagctt ccaccaattt gaatcaccaa tggctcgcgc 180
tttctctaac gtcaagggtc tctctgctct tgtggccgac ggattctcca acactctcac 240
caggcgtggg tacgcagcag cgacacaaag cgc 273

<210> 44505

<211> 98

<212> DNA

<213> Glycine max

<223> Clone ID: 701042616H1

<400> 44505

ttgcagggga gatttgagtc tgacacagag ctttccctct tgcaagtgat acaataataa 60
tcccaaagat acatagaaaa catagatcac aattcaca 98

<210> 44506

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 701042617H1

<400> 44506

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ggttgctatc aagttgatca gtcaaagtgt gctatcaagg agcatttttg aaaatttgat 120
gatgtcctag aacctggatg tcattgcctg ccttggtgtc ttgggtacca gattgctggg 180
agtttgtcac tgcgtgtgca gcaacttgat gttcgatgtg agacgaaaac caaggacaat 240
gtctttgtca ctgtggttgc atctgtgc 268

<210> 44507

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 701042618H1

<400> 44507

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ccaatgacat ctacctcaaa ttacttgta agctttatcg attccttggt cgaaggacag 120
acagcaattt caatgctgtg atactcaagc gcttggtcat gagcaagggt aacaagcctc 180
caatttcttt gtcaagggtta attaagtata cgaaggggaa ggaggataaa attgctgtag 240
tagtggggac tgtaactgat gatatcagag 270

<210> 44508

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 701042619H1

<400> 44508

ggcctgccac tctccggag agacctaaaa caccacctta tgtccctcca agagctcctt 60
ctcctagacc tcctctccg agggctcctt ctccaaggcc tccgtctcca agggctgctt 120
ctccgaggggt ggcttctcca cgagttacct ctcccaaagc cgcgtcttcc cggattgctc 180
atcaccacaa ggaggttggc tacagaccag agccaacttt gaggcaacag catgccacag 240
ctactaagat ccagtctggt tacagaggc 269

<210> 44509

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 701042620H1

<400> 44509

gaaagatgca accaatgatt ttgaggatat tggtcacagc accagcgccg tagccatgat 60
ggatgagttc tatgttgag acattgatac atcaaccatc cccagcaagg ttaagtacac 120
tcctcaaaaa caacctcact ataaccagga caagatgccg gagttcatca tcaggatcct 180
ccagtttcta gttcccttgt ttatcttggg tttggcagtt ggtattcggt tctacaccaa 240
atcaacataa tcatttaact gcaagagca 269

<210> 44510
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042621H1

<400> 44510

ggatgagcat cggcttcttg tttatgaatt tatgoccaaag ggtagcatgc aaaatcatct 60
 attcagaaga ggttcttact ttcagccatt ctcttggagt ttgcgaatga agatagcact 120
 tggggctgca aagggccttg cttttcttca tagtacagaa cctaaagtca tataccgtga 180
 ctttaaaact tcaaatact tactcgatac aaactacagt gccaaacttt ctgattttgg 240
 cttggccaga gatggctcta ctggtga 267

<210> 44511
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042624H1

<400> 44511

actcgagcga atcggctcga ggttgaatat ttgtgaattg cgactcacca cagaccaac 60
 tccttctcgc tttgttgact tcttggcacc ttttcttgc tacaatcattt tttcaatcaa 120
 ccttctcttc ctcaacgcac ttcaattctt ctttttctgc gtacgttgga gtcttggagc 180
 gaaccttcaa ttcaattctt cctagcgggt tttctaacta ggtgggtggtt cttgttaaaa 240
 gctgccatct gggttctgct accgttg 267

<210> 44512
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042625H1

<400> 44512

gcttcttgca agaagtttct gagcttttat atcctctata tatagttctc tggcaattaa 60
 ggtctcatcc aaataagcac aaatgggtag ccagagttac ttcaaggctt tgattatttg 120

ccttatagca ctaattggat caactcaagc tcaattgcag cttggtttct atgccaaaag 180
 ttgtccaaag gctgagcaaa taattctgaa gtacgttggt gagcatatcc acaacgctcc 240
 atcactagca gctgctctca taag 264

<210> 44513
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042590H1

<400> 44513

cagcataaga aagatctcca acaaataaga cagtctgctg gaaatcacga aatagactat 60
 atgccttaca tgggagaagt tggtcctttc aaaaactatc ttaccgata tactactccc 120
 tacttggcct ccaatagctc cagtcacctc tggatgcag ttaggcgtgc gtctgctcat 180
 ataattgtgc tatccagcta ttcaccattt gtgaaataca ctctcaata catgtggctt 240
 aaagaagagc tgaagcgagt tga 263

<210> 44514
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042557H1

<400> 44514

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 ggttgctatc aagttgatca gtcaaagtgt gctatcaagg agcattttgg aaaatttgat 120
 gatgtcctag aacctggatg tcattgcctg cttgggtgc ttgggtacca gattgctggt 180
 agtttgtcac tgcgtgtgca gcaacttgat gttcgatgtg agacgaaaac caaggacaat 240
 gtctttgtca ctgtgggtgc atctgt 266

<210> 44515
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042558H1

<400> 44515

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tctgaaaaac ctgatttctt ctcttcttct cttctctttc gcttcgatct tcgatctctg 120
acaatgagag attgcatctc aatccacatc ggtcatgccg gtattcaggt cggtaacgcc 180
tgctgggagc tctactgcct cgaacacggc attcagcctg atgggcagat gccatgtgat 240
aagactgttg gtggaggtga tgat 264

<210> 44516

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 701042559H1

<400> 44516

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aaacttagaa ggatttttcg aaagccaggt gttttcagaa acgagatcca ggttttattg 120
tcgaatttcg ctagtcaaatt taattttcat aattattttt ttctttgaaa ccagccaaga 180
gggttatttt tgatccctca aagctaattt ctctctctct ttttttattt ccgggactga 240
agaggttgtc tatttgaaat ctctt 265

<210> 44517

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 701042560H1

<400> 44517

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gatgccttcg ccgacgactt gaacgtcaac tcttcttcca ctgccagca cgacgatgac 120
gaggacaact tctctggcta cggcggctac tcctccttca ccggaggatt ctccgccgac 180
ggagatgtcg ccgtcgatca ctccgccgcc gcgtcgccgg acatctacgg cttcactgat 240
tcgaatcccg cttactctca gtctcccttc 270

<210> 44518

<211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042561H1

<400> 44518

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 gacgcagact gcacccccat tccctgatgt tcaagttttc tcatcatctg aatacaccct 120
 tttcaatctt catctctctt cacacacata catcaggcac ttctatcaac aacaacaaaa 180
 gagtgtgaga tgttgtaaata tctctaataat gtgtctttga tttttacata taagaaaaaac 240
 aacacacact tctaccaaata tttgctctaa 270

<210> 44519
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042562H1

<400> 44519

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 aatgaggaag agtgggatga tgtggaaatt ggaatacctc gtgctgcttt gaactgcacc 120
 agttcccatc ttgcctatgg acatctgatg gttctgttcc aaatgacaat ctccctgcta 180
 gtggatgtac tgggtcagca tccatatcat gtctatcagg atcactgcct tctcctggag 240
 gtctataatc ctgggtca 257

<210> 44520
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042563H1

<400> 44520

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 tgggatcttt cagaagctgg tgggggtgag gtttctgaga atacagacca aaggcaagta 120
 tccttagacc aagatcagag ctcaatgctt aaagtgattt gtaatcaaag agatcgattt 180

aggacccgct tgcgagagac agaagaggaa ataaggcagt tgaaggagca gattggggta 240

ttaacagtgg aact 254

<210> 44521

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 701042565H1

<400> 44521

ctcagctagg gagaagaaag atggaagatc cagaggttat tattggggagc ttgaatccaa 60

atgataccag gggaaagacc gttacttgca aagctgccgt ggcatatggt cctggagagc 120

cctttgtggg ggaacgtggt cttgttcac ctcctcagaa aatggagggt cgaatcaaga 180

tcctcttcac ttcaatctgc cacaccgatc tcagtgttg gcaaggcgag aatgaggctc 240

aacgtgcata tcctcggatt ttcgg 265

<210> 44522

<211> 265

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701042566H1

<400> 44522

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attgcttggt gggggcaatt cgattcgatt tcgcagagta gaatgtttgg gacggcgatt 120

cgatgtttgg cgaagaaacc gaagccgaag atgggacccg tgatcctgaa aacgccgccg 180

gagcagaggc agacaatcac aagagacctc ttcgatataa ttaaggagca tgggtccatc 240

actgttgcta acacctggga acgtg 265

<210> 44523

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 701042567H1

<400> 44523

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 cttcacttct gtgacggcac aatccccagg gccagaatct tcatcactcc acgacacctt 120
 ccttcaatgc ctcaccaa atacacaaca ctcctcatct caactctcca acatagtctt 180
 cgctaacacc aacccaagt tccccactgt cctccaaaac tacatccgaa acgcgcgttt 240
 caacacctcc tccaccccaa ag 262

<210> 44524
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042568H1

<400> 44524
 atgggttcaa acccaaaacc ccttgtgcac ctttctcttc ttctcctggt cctcttttct 60
 tcctcaaccg aatccctgag atttgaaatc caatccgggc acaccaa atg catctccgag 120
 gatatcaaga gcaattccat gaccgttggc aagtacaaa tcgttagccc caacgaggggt 180
 caacctctgc cagatgccca cagattcacc gtcaggggtga cttcgtctta tgggaacaat 240
 atcactacgg ggatcgcggt caga 264

<210> 44525
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042569H1

<400> 44525
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 gtgttctact gcaggatttt actggagtcc ctgctgttgt tgacctggct tgcattgcgtg 120
 atgctatgaa taagcttggc agtgattcta ataagattaa tcctctgggt cctgttgatc 180
 ttgtcattga tcattcagtt caagttgatg tagcaaggtc agagaatgca gtgcaagcca 240
 atatggagct tgagtttcag agaa 264

<210> 44526
 <211> 266

002200" ETTES60

<212> DNA
<213> Glycine max

<223> Clone ID: 701042570H1

<400> 44526

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ttaacatggc ttccaaaact tgctcctccc ttgtcttttt cctcacactc aacctcgttt 120
tcttctcact tgtctctgca tgtgggtata caccatgccc tgggtccaaac ccaaagccaa 180
ggcccaaccc caaccctaac cctaacccca gccgaagtgg ctcggtgcccc cgtgatgcac 240
tcaaactagg tgtatgcgcc aatgtg 266

<210> 44527
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 701042574H1

<400> 44527

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gaaacatttt gtaggatagg cggcaattta gccatgacca atgaatttga agattcttcc 120
attcagcaga agcgtgatga gtggcacaaa ttgattgtag agaaggggtt tgaaatagag 180
aatatttgaa gaatgttttc tttgaacttc atgtgcaaga gccttctttt cacagctaaa 240
tgatggccta aaaccaattg aagg 264

<210> 44528
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 701042576H1

<400> 44528

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agaagaagaa caaaccaatg gagtctccaa cgacgccgtt tcaacgctac ccaatgaccc 120
tcaataccct ggtatctctg ctgttattcc cggttggttc tcagaaatca gcccaatgtg 180
gcctggggag gcgcactcct tgaaggtgga aaagattttg tttcaaggga agtctgacta 240

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268

<210> 44529
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 701042577H1

<400> 44529

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ggttagtttt taggggctgc ggaaaaaaga tagtgagtgg tggccaatgg gagcggagag 120
gttttccac gaccatgctc ccttgattct gggctccag ccatccgcc ttggtcgacaa 180
cgttgccacc gtgattgggt ccttgctcca tgcattccc ggcgagcgcg gtggctccat 240
ccctgtccaa attgaagaac tggaat 266

<210> 44530
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 701042581H1

<400> 44530

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acaaaggaag gggttaggggt gtgacctgag atcaaaatgt tgcggaggct tctctcttct 120
cacctcaaaa ccctagcctc ctccgccgcc gccgccgcca ccgccactcc ccgatctgct 180
tccgcctccg ccagattcgc cgtctctctc cgctcctgcc tctacttctc aacccaatcc 240
gaggatgcta ctgcgatcaa aaag 264

<210> 44531
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 701042582H1

<400> 44531

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ctttctctc tctctctcta cgctttctcg tttgagatcc ctcaagggat ccactaactg 120
aaggagcaat ggggttgaca ttaccaagc ttttagccg gcttttcgcc aagaaggaaa 180
tgcaattct aatgggttgg cttgatgccg ctggttaagac caccatcctg tacaagctca 240
aacttggaga gatcgta 258

<210> 44532
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 701042585H1

<400> 44532

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aaactgacaa ctatgagcag cactctttaa aaccatattt caagtatata aagtttttga 180
atgaagtaag ctaaaagaag tactatggag accaagcgct gcaacttctg gcttcttaac 240
aaaaacagat tttgtgcaaa ctgc 264

<210> 44533
<211> 263
<212> DNA
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<223> Clone ID: 701042586H1

<400> 44533

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ggttgaaaat gtcccttget gtattcactg ctttcagcat tgggggttgca gttccagtgt 180
atgctgtcat tttccagcaa aagaagacag cttctagcta ggctcgtctt ttacttcca 240
tttgcaacaa taaggtggat ttg 263

<210> 44534
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 701042587H1

<400> 44534

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 ggcatccagc ccgacggcat gatgccttct gactccacct tcggtgtagc ccacgacgcc 180
 ttcaaacacct tcttcagcga aaccggatct ggcaagcacg tccccgtgc tgtcttcgtc 240
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<210> 44535

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 701042588H1

<400> 44535

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 taaacccccca accccacgca cactctctta gttctctctc gtttgcatth gcattgcttc 120
 ctacattttc tttaccttct ctctgtctct tccataactca catcatgtct cgcttggctt 180
 ctaacctcgc ttccaaagca aggattgcta ggagtagcag cctacagatt ggatgtaggc 240
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<210> 44536

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 701042589H1

<400> 44536

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 taaagcagct gtaataatgg agggggagca aaacctgat gggagtagag caaataagtg 180
 gaaagttgtc agcatccaac aagtggaaga tgtgaagtgc ttggcaagga ttttcccaat 240
 ttgggctgca gggatcctag gatt 264

0053113.032200

<210> 44537
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 701042556H1

<400> 44537

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ggtaaacttg tggtaagga ggcagctaga gcagtgagt aacgtgatga taaattgctt 120
gccgagcaca tggctaagct acgccaagat aatgaagagg tcagtgggtga tgaagacagt 180
gaggaggaag aagatacagg aatgggagag gttgatgtgg ataatgggtgc cgggataaca 240
gagtgacaaa aaacgtgtgg gtatagt 267

<210> 44538
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 701042524H1

<400> 44538

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cagactttag taacattatt aattcagtc attccctatg tctagaatac atttatactg 120
ggtgtgaggt ctttggcgtg taatcaaatg gtgaacattt gatattatta gtgggaaatc 180
cttcacttta ttaagtcgta acgttggtta ttgtcatcca tgtttgtgct cttttaatgt 240
caaataatgg aatatcaagt aggaag 266

<210> 44539
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 701042525H1

<400> 44539

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gctgggagcg aacaagttcc cggagagaca gccgattggg acggcggcgc agagccaaga 120

cgacggcaag gactaccagg agccggcgcc ggcgccactg gttgaccga cggagtttac 180
 gtcattggtcc ttttacagag cagggatagc agagtttgtg gccacttttc tgtttctata 240
 catcactgtc ttaaccgtca tgggagtcg 269

<210> 44540
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042527H1

<400> 44540

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 ccatgactca gcagacagag atcttcataa ccaaagtccc cggcaagggt tccatgtacg 180
 tttgaggagt cactgcctaa gacttcagcc atctcgggtca cgctcgcgct gcggtttctt 240
 tcgatatcct cttcagggtac cttaagca 268

<210> 44541
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042528H1

<400> 44541

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 tgacaacttg acatagcaat cctgctttct tggttcccca tttccatgtt tgtggattct 180
 tcctgattca aaggcaatcc attgtgtctt cttagctcag ttttgagctt caaaagttac 240
 aacttgcaac acaaatttct atctgtaact t 271

<210> 44542
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042529H1

<400> 44542

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ggagctgctt aatcaactcg atggatttga tcaacttgga aaggttaaaa tgataatggc 120
aacaaaccga cctgatgtac ttgaccctgc tctcctgcgt cctgggagat tggatagaaa 180
aatagaaatc cctctgccta atgaacaatc aaggatggaa attcttaaga ttcatgctgc 240
tggaattgcc aagcatggtg aaatagacta t 271

<210> 44543

<211> 72

<212> DNA

<213> Glycine max

<223> Clone ID: 701042530H1

<400> 44543

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tggtctagct cc 72

<210> 44544

<211> 274

<212> DNA

<213> Glycine max

<223> Clone ID: 701042531H1

<400> 44544

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ggctgaggct acacaatcta atgctgagtt gttggagtgg cctaagaaag ataagcgccg 120
cttctgcat gttgtgtatc gtgttggtga tcttgatcgc accattaagt ttataactga 180
atgttttggg atgaagcttt tgaggaaaag agatattcca gaagagaaat atgccaatgc 240
ttttcttga tttggccctg aacaatccca tttt 274

<210> 44545

<211> 121

<212> DNA

<213> Glycine max

<223> Clone ID: 701042532H1

<400> 44545

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tactggagca aaacgcgggt gtgtgtgact ttcgttcgat agagatgcag ttccattcag 120
a 121

<210> 44546
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701042533H1

<400> 44546
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ggttatatac ctggaattat ctatgctgtc tatgctatca ccaagtgatc accctttaac 120
tttgtgtgga caataaacia atgtcatggg cgtttctgtc tttcaactca gatattagt 180
tttctttaat atatcgccaa tgttgtcata ttcttatgtt ctgtttttaa aacccttttt 240
gttcttagct taagcgagag tggagtgtgt a 271

<210> 44547
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 701042535H1

<400> 44547
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tcggtggaaa actctgcgac gccctcgtcc ggcaaggtta ctctgtcagg gttctcgtaa 120
gatccaccag cgatatctcc gccctttctc cgcacatcga aatcttctac ggcgacatca 180
ccgactacgc ctctctctc gccgcctgct tctcctgcac tctcgtcttc caccttgccg 240
ccctcgtcga accctggctt cctgate 267

<210> 44548
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 701042536H1

<400> 44548

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 aggaagaagt tgaagtacac tcgcccatac ctgattgaat tgatgttctc agacaacatt 120
 caaatctcaa atctaactct cctcaattcc ccatcatgga atgttcatcc tgtttacagc 180
 agcaatatta ttgtgcaagg catcaccatt tgtgctcctg tcacatctcc taacactgat 240
 ggcatcaacc cagattcttg cacaatg 268

<210> 44549

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 701042537H1

<400> 44549

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 ccagtacact gaagagtttt ccgaagttat ggattacttt cgcgccgttt acctcaccga 180
 tgaacgtcc cctcgcgccc tcgctctcac agccgaagcc gttcaattca actccggcaa 240
 ctacactgtg tggcatttcc gacggtt 267

<210> 44550

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 701042538H1

<400> 44550

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 aagttcatct gttctcttca tcatccgagt tgcttgaaaa gtttcatgaa aaatggagtt 120
 cagtggagaa accaccatac ccagctatgt atcctagtagt ttatggaggt atcatacttg 180
 atccagcaat gatggtaatc cccattgatg atcacatggt tcacagaggg catggtgtgt 240
 ttgatacagc tattgttcta gatggata 268

<210> 44551
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042540H1

<400> 44551

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 gcaaaaggtg ataactgatg atcggtgcat gaaattcaac tctttgtcct ttgggtcaatc 120
 atggaaagac aatgagaaaag aaccacattt tgtttctgat gggccagggt taaagcagat 180
 caaggagcta atattggttt acttatgctt aaaggccagc aaatagttca tatagtactt 240
 gtgatgctac ataattagga agttca 266

<210> 44552
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042543H1

<400> 44552

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 cttgcttctg gaatctcaac aacacctttt gctctctctt ggctggatca gtcgccgtta 120
 ctcaagaaac ataacatata accaagggtg tggacaagggt tgtggaggag gctgaaaaag 180
 tgaagaagga atgggatgaa acatacaaga caacgcaaga gcacattgag gcaattgcag 240
 agtatggaaa accaggaaga gcaaaag 267

<210> 44553
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042544H1

<400> 44553

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 accaaggagt ggaaattggc acttagcaca aaagagggtg aagactcata tcgtttaagg 120

gtcgtgcgag gctggtacat acaacgtgcc gaatctctgt ccctgggacc ttaccaagaa 180
 ctgatgaaaa ggcctcatct aacatctcga gggataagaa gacagttcca gaagcagatc 240
 ctccgagtat caaagacgtt cagcttttgt a 271

<210> 44554
 <211> 267
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042545H1
 <400> 44554

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 tacgtgctac tgctcctgat gaccaggtgc ctgaactttt aggaaagctg aatgaatgga 120
 atgccactgt tattttctaaa gaaggatctt ctgctgttat ttttgaattg gaacctggtc 180
 tatataagga ttgtcatgac ttgtttatga ataagatgca tggaagattt gaagttcttg 240
 cacactctct ttatgtggag ggggata 267

<210> 44555
 <211> 273
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042547H1
 <400> 44555

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 cacatgcaag aaagacacaa aggaggctat cattgaggcc gtgaaacagg gttacagaca 180
 cttcgacact gctgctgctt atggctctga acaggctctc ggtgaagctc tcaaggaagc 240
 tatccatctt ggctcgtct cccgccaaga cct 273

<210> 44556
 <211> 273
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042548H1

<400> 44556

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ggacatactc tcaattttcc ggccagaaac cggcgatgtc gccggagaaa tcgagcttct 180
ctcagacttg tagcctgttg agtcaataca tcaaggagta gggtagcttc ggagatctta 240
ccctcggaat gacatcatgt gggtcactga gac 273

<210> 44557

<211> 111

<212> DNA

<213> Glycine max

<223> Clone ID: 701042549H1

<400> 44557

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<210> 44558

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 701042551H1

<400> 44558

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ttgttctcta gatttcttct ctcttgtttc ttagaatccg tacaatctaa tcaacataac 120
aaaaatggat gcaattagtt gcatggatga gagcaccacc actgagtcac tctctataag 180
tctttctccg acgtcatcgt cggagaaagc gaagccttct tcgatgatta catcgtcgga 240
gaaggtttct ctgtccccgc cgccg 265

<210> 44559

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 701042552H1

<400> 44559

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gctctgtggc tatgtggtgg gatgaacaca agaatttggg ttctgaagtc agttaccagc 120
atatttgcaa ttatagatgg aatcaagaag tggctggggg tgaacaaggt gaaattcaac 180
ttgtcaaaca aagccattga caaagagaag ctcaagaaat atgagcaagg taggttcgat 240
ttccaagggtg cagctgtgtt catgg 265

<210> 44560

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 701042553H1

<400> 44560

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aactaaggaa tggtaacaaga aaacgggttag caccttcagt tgaaccttat atttatgtag 120
ttgttttggg ttgaaaaata atcgattaaa atgcacttga cattatgtga ttgatagacc 180
tggatgtatc tggctattcc catcaccatt tatgcattgg aaagactggg tagagcattc 240
agatcgagca ttaagtcogt ca 262

<210> 44561

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 701042554H1

<400> 44561

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gatagacgga aaagttgagg tgggggttga ttatatggat agtctttggt gcttcagctc 120
tttcagtcag gtggttggag ggcgttcttc atgtaactct ggcaaaggca agagcagtca 180
gtcctcagtc aagtatggct atagcctagt taaagggaaa gcaaaccacc cgatggagga 240
ctatcacgta gcaaaatttg tcca 264

<210> 44562
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 701042521H1

<400> 44562

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tcgttttcag tgagaacaga tgtagttcg agtggtgatt cagaatcatt gcaacaatgg 180
gttggtgcct tttgtgctat aaggtttgat cttgaacagg gccagcttgt ggaagagtgt 240
tatccacatg ggtgtttttc ccatga 266

<210> 44563
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 701042555H1

<400> 44563

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tgccttgtct cccttttgat caagcgtgac aaacttgat ttttttttat tattgtaaat 180
caaaaagttc cctttctttt tgttatataa taatttgga aaaaaaaaaac taaaaggcat 240
ttttatttgc atcttctttt ct 262

<210> 44564
<211> 236
<212> DNA
<213> Glycine max

<223> Clone ID: 701042379H1

<400> 44564

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tattgaggta gatgatctct tgcctttcga tgtgaagggt gtgtgggaat ccatggaaga 120
gtgccagata cttggactca ccaaagccat tggagtcagc aacttctctg tcaagaagct 180

tcagaatctg gtctctgttg ctaccatccg tcccgtgggc gatcaagtgg agatga 236

<210> 44565
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042381H1

<400> 44565

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 aagacaacat cttgtgggtc ccaattcttc caccttgaag gctcttgaaa tactcactgg 120
 ctgctacatt ctgctccagg gaaacacagt tgctgctatg ggttcattca aaggcttgaa 180
 gcaagtcaga agaattgttg aagaatgcat gctgaataga atgcatcctg tataacaacat 240
 taaggttc 248

<210> 44566
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042383H1

<400> 44566

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 ctggtttggg tggtttattt ggatggctca ctggagaccg atccagttct ttaccatctc 180
 tggatttccc gcttcggggc gttacacttc ccccttcatt gcctgatttt gttgcgcccc 240
 gaaaaac 247

<210> 44567
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042384H1

<400> 44567

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acattgatgg ttaatgcacc acttgcatcg taatcatcga agccacactt gtaaaaatct 120
 aaactaaaag tctaaaacca aaccactgtg ttccaattct tctttgtatt ctccattcac 180
 cctcattgcg tttttttacc ctttttcggt gtcttctcag attcctcaca cgcacactc 239

<210> 44568
 <211> 247
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042386H1
 <400> 44568

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 ccctctcttc aaaccccaaa ctctcattct tcaacggaaa gcccgtcaca tattcttccc 120
 gcgtcgcgcc caccaccaa ttatcctcat ccaaacaagg cacaattccc atgtccctaa 180
 cccaccccc ctacgacctc cagtccttca gattccagcc catcaaagaa tccatcgtgt 240
 cacggga 247

<210> 44569
 <211> 247
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042387H1
 <400> 44569

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 tcgccgccag ttctccaccc cggaagatat gcttgctgga acctctaacc gtcctcgaac 120
 ttttagacag aaagaagctg agcatgaaga ggagcctgag gaagtacctg gggatgaatc 180
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 tgaaaat 247

<210> 44570
 <211> 67
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042388H1

<400> 44570

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<210> 44571

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 701042391H1

<400> 44571

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acttccgctc tcagctcagg gtattacgta gtacgtggag aatgggaagt actgaaaaga 120

tccaatcat cgctgaaagt tcagaaacca ccatcgagat aaaaattaaa acattggatt 180

ctcaaactta caccctcaga gtggataaac agatgccagt ccctgctctg aaagaacaga 240

ttgctt 246

<210> 44572

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 701042393H1

<400> 44572

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aatgctaccc atataatgat tgccaccggt acagggtgttg ctccattcag aggctatcta 120

cgccgaatgt tcatggaatc agtcctaca tacaagtttc gtggactagc atggcttttc 180

cttggagttg ccaacactga cagtcttctc tatgatgaag aattcagcaa atacctcaat 240

gactatt 247

<210> 44573

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 701042394H1

<400> 44573

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 tttcaatcaa gccatcatca tgtctaccgc agcgcaaccc aaggccaaga aatcggcgctc 120
 gtccaagaag cccctctccc accctccctt cgccgtgatg atagcagagg cgattgagcg 180
 tctgaaagag agaaccggtt cgagccaata cgcgataacc aaatacatcg aagggaagca 240
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<210> 44574

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 701042395H1

<400> 44574

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 cattaattat tttattgttc ttattttatt atattgtcat tctctgcctc tgcatagttt 180
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 aattattg 248

<210> 44575

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 701042396H1

<400> 44575

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 agtgagttag cgatcatgtg tgggtggtgcg attatctccg acttcattcc agcgggtccc 180
 gacggcgggg cgcacgcgtg accgccgaca tcctgtggcc gaatttgagg aagcggttct 240
 cgaagtgcg 249

<210> 44576
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042501H1

<400> 44576

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 ctgaacgccg agcaccactt cgcgagcttc aaggccaagt tcgccaagac ctacgccacc 180
 aaggaggagc acgatcatcg cttcggcgtc ttcaagtcca acctccgcag agccaggctg 240
 cagccaagc tcg 253

<210> 44577
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<223> Clone ID: 701042502H1

<400> 44577

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 acctgagttg ttaaactttt ttatttttag aaaaaaaaaac attggacata gtaaagccat 180
 ggaagagatc accaagaacc tatcagggac ttctcttttg gtaccatcag ttcaagactt 240
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<210> 44578
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042503H1

<400> 44578

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 ccctgccact ggcaggccaa gaggaaggcc taagaagggt gtcgctcac cggccgtgcc 180

gtctcccacc gccgtctcca ctggaaggcc tagaggcagg cctcccaaag tgaagcctca 240
gttgacagaa gtcagtgttg agtcatag 268

<210> 44579
<211> 268
<212> DNA
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<223> Clone ID: 701042505H1

<400> 44579

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aaaactgaga cttgaaggga agcgggtata attggtctgg ctttggacgt ttaaacaatt 180
ccgatcaaga tccaattttg ccttcccatt ttctcgctgt ttttttgtaa cggctctttcc 240
atggcatatc ctttctctga tttcaagt 268

<210> 44580
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701042509H1

<400> 44580

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ctactcacc cgacacgttg aaggcggggt tggctgagtt catctccacc ttgatcttcg 180
tgttcgccgg ttcaggttcc ggcatcgcct acaacaagct caccgacaac ggcgccgcca 240
ctcccgccgg cctcatctcc gcttccatcg 270

<210> 44581
<211> 81
<212> DNA
<213> Glycine max

<223> Clone ID: 701042510H1

<400> 44581

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agcatgaatt cagcatcccc g 81

<210> 44582
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 701042511H1

<400> 44582

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ttagcagatt tgagaggaag ggtttttact tgatagggtt gacactcgtt actgtggacc 180
gtccttttgc tgagaagcac tatgctgatt tgtctgcaa gcctttcttt agtggtttgg 240
tggattacat tgtctctggc cctgttggt 269

<210> 44583
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 701042512H1

<400> 44583

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ctattcctat tttatcaatc aataacataa ataacacttc ttcttgcctt ttaatatt 120
tttctctctt cccctcttgt ttcaccttcc aacacttaat tagagacgac ccactttcct 180
tgcagatctt tttccaggga aaagtttgga tgttttgtgg taagagttag atgttgagtg 240
atagacggaa aggttgaggt ggagctgga 269

<210> 44584
<211> 84
<212> DNA
<213> Glycine max

<223> Clone ID: 701042513H1

<400> 44584

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gcgagaccat ttaatgagga agaa 84

<210> 44585
<211> 270
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<223> Clone ID: 701042514H1

<400> 44585

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gaatgataat cttcctttta cacaatgctt tgagtctgca agacaggctg gtttgctaag 180

atatagttac tctgagtctg aagatagaga tctttatgtc actggagact tgtatgagaa 240

tgattttgtc aaacccgcta tgatcgttgt 270

<210> 44586
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 701042515H1

<400> 44586

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cactactgaa accgaaaccc taaacccttg tgaataagac gaatttggtc tttcctttga 180

ttagataaga aagagttaga tttagattca gtctgtttac gcttttattt gttgtcttct 240

aattagattt gggagtataa gtgaaaccct aggt 274

<210> 44587
<211> 225
<212> DNA
<213> Glycine max

<223> Clone ID: 701042516H1

<400> 44587

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 tagcactttc agccccaca aaattggatg aatgatccaa atggaccaat gtactacaca 180
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<210> 44588
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042517H1

<400> 44588

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 caacgtggat gggaagcaga agataatggt cgcaatgacc tccatcaagg gtattggaag 180
 gagattcgcc aacatcgctt gcaagaaggc tgatgttgac atgaacaaaa gggctgggtga 240
 gttgactgct gctgagttgg atagtgtga 269

<210> 44589
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<223> Clone ID: 701042378H1

<400> 44589

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<210> 44590
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<223> Clone ID: 701042518H1

<400> 44590

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ttcttgcaact gtcactctgtg tacttaagat gaaataaaca tctcagtgca agctcagaaa 180
 tagatcttat tctgaatact cagtgggttaa tttccatttc tattttgtaa ataatttcta 240
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<210> 44591
 <211> 269
 <212> DNA
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<223> Clone ID: 701042520H1

<400> 44591

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 cacatgaagg tggttgcagg gaaatagtgc cacaatattt tactattagc taccttcac 180
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<210> 44592
 <211> 247
 <212> DNA
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<223> Clone ID: 701042338H1

<400> 44592

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 gataacaagt cctcatctt caacattcat ccagttctta ttgttattgg cttactagtt 180
 catgggggtg aagctattat aagttacaaa gcttttcccc taaagaagga agtgaagaaa 240
 ttgatac 247

<210> 44593
 <211> 251
 <212> DNA
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<223> Clone ID: 701042341H1

002220"ETTES60

<400> 44593
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aaacaacaac ataagaaaga gccatttcct gcagttcatc acacaagaac gcatcttcaa 180
tgcatccaag cggatcttga tgctacagta ggtactagct cagggcataa tcaatattcc 240
ctcaaattgg g 251

<210> 44594
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 701042342H1

<400> 44594
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cgccggctct tcttccaaga agcccaagcg cttcgagatc aagaagtgga acgccgtcgc 180
tctctgggct tgggacatcg ttgtcgataa ctgtgctatc tgccggaacc acatcatgga 240
tctctgcat 249

<210> 44595
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 701042345H1

<400> 44595
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tctaaagtgc cactgctggc caagaccaat gttgggtgctg gtcggttagt gcttcagcct 180
cagggctttg ctattcctca ttattcagat atatccaaag taggttatgt gcttcaaggg 240
aacgatggc 249

<210> 44596
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 <212> DNA
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<223> Clone ID: 701042346H1

<400> 44596

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 taagtgggct gttcaactag gtattccaga cataatacag aaacatgcca aaccatttc 180
 tctttctgac ttgggtctcta ctcttcaaat tccaccagct aacgctgctt ttgtgcagcg 240
 gttcatg 247

<210> 44597
 <211> 251
 <212> DNA
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<223> Clone ID: 701042348H1

<400> 44597

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 aaatgaacac gagagatcat cagatgccga aaaaaattaa ggctctcctc aacaaaaact 180
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 atgattgcga a 251

<210> 44598
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042349H1

<400> 44598

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 aattactatt tggtgacatg tcccaagctt gagaggatta taaggaagca tcttgaggat 180

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gtcttcgaga aggacagtgg agtagctcct ggcatacttc gactcttctt ccatgactgc 240
tttcctaata ga 252

<210> 44599
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<212> DNA
<213> Glycine max

<223> Clone ID: 701042350H1

<400> 44599

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acatcttggt cttgcacatg agtaaagatc ctattcgggt tacgggagat tgttgtgttt 120
aatggtgatg gacgtgagat tccaattgct catcgtgtaa ttaaggtaca tgaaagggaa 180
gatactgggg aggttgatgt tctcacaaaa ggagacaaca attatgggga tgacaggcta 240
ctgtatgc 248

<210> 44600
<211> 236
<212> DNA
<213> Glycine max

<223> Clone ID: 701042352H1

<400> 44600

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acatctgttg gttcttctga agatactgga tctgtaacag tggcaggatg tgttgaggaa 180
agcaccgggg gtgttgaaat gatgaacaat ggctggtttg aggatagcac ttatgg 236

<210> 44601
<211> 101
<212> DNA
<213> Glycine max

<223> Clone ID: 701042354H1

<400> 44601

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101

<210> 44602
<211> 96
<212> DNA
<213> Glycine max

<223> Clone ID: 701042355H1

<400> 44602

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gtatagcgag ctagctagct ttctattgtc taatat 96

<210> 44603
<211> 245
<212> DNA
<213> Glycine max

<223> Clone ID: 701042356H1

<400> 44603

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tgtagcact gactggagta aaaagaaact aggtgacttt ctccagacta aatatgactg 120

ggatcttctt gctgcacggc caatctgggc atttggccct gataagcagg gtcccaatat 180

tctgtagat gacacccttc caactgaagt taacaaggat ctaatgaatg ccgtgaagga 240

ttcca 245

<210> 44604
<211> 247
<212> DNA
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<223> Clone ID: 701042358H1

<400> 44604

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ttcacctcag ctcaactcctt ccttcactctt cctgcagctc ttctgccaaa ggtcctaaaa 180

gaaaagcâtc attagaagtg gtacacaaac atgggccatg ctcccaactg aataatcatg 240

atggcaa

247

<210> 44605
 <211> 64
 <212> DNA
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<223> Clone ID: 701042359H1

<400> 44605

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cctc 64

<210> 44606
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042360H1

<400> 44606

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tttgacttat aggatagatt gtgttctttt catataaaat gatccaatgt aattttgtgta 180

aaactttcta taagagtagc aattttcttg ttcttttata ttttgagctg aatgttgagt 240

taaatag 247

<210> 44607
 <211> 249
 <212> DNA
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<223> Clone ID: 701042361H1

<400> 44607

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ccaagacgac ggcaaggact accaggagcc ggcgccggcg cactggttg acacgacgga 180

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002220"ETFE60

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249

<210> 44608
<211> 249
<212> DNA
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<223> Clone ID: 701042363H1

<400> 44608

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gaaattgaga atggaatgct gtgggaagtt gaggggaagt gggttgttaa gggagcagtt 180
gatgttgaca ttggtgcaaa cccttctgct gaggggtggag aagatgaggg agtcgatgac 240
gcagctggt 249

<210> 44609
<211> 252
<212> DNA
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<223> Clone ID: 701042364H1

<400> 44609

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aggccatttt atgggtaccc aatttatcta tggacactgc ctatcagact aacgttggtg 180
tttaattagt ccatgcatct gcactctggg caccataaga ttgtatataa aataaattat 240
ggtgtgttgt gt 252

<210> 44610
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 701042365H1

<400> 44610

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gctcaggaga atattgaaaa attggagaaa gttgtaaacg atggaaatta ttatggagct 120
 cagcaaattgt acaaattccgt tagtgccaga tatgtttctg ctcagaggta ctctgaagca 180
 ttagatatcc tacattcagg agcgtgcatt cagttgtctc atgggcaggt tacctgtgga 240
 gcagagttag ctt 253

<210> 44611
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042366H1

<400> 44611

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 ggactgttga attgcccagt ttatagcatg gttaggcgga ctacattgaa tgatagcaaa 180
 gaaagtattt tgtaataaca ttaaaggagg cgtgtttgga ttgtagaatt gccgagttta 240
 gctgcagaa 249

<210> 44612
 <211> 246
 <212> DNA
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<223> Clone ID: 701042367H1

<400> 44612

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 gagcttagag ctctgatgga gttgaagtcc tctctggatc cagagggaaa gatccttggc 180
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 catcgc 246

<210> 44613
 <211> 71
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042368H1

<400> 44613

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aaaaattggt c 71

<210> 44614

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 701042371H1

<400> 44614

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tcccttcaga caaagggaca aaaaatcagt gtgtgagaga gagagagaga gaaattccaa 120

aaccatgtcc cacagtcac taagtttcgc ctttgggatt ctaggtatca ttgcctcctt 180

cgtgtgcttt ctggcaccac taccaacatt ttatagagtt tgtaagaaga aatcaaccga 240

aggttcc 247

<210> 44615

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 701042372H1

<400> 44615

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agctaaagtt tcatgaaaag aagcttttga agaagggttaa ttttttggaa tggaagaggg 120

aaggggggtca cagagagaac ctcattatgc aacgctacca tgttactgga cgggacgatt 180

acaaaaaata ttcaggttta tgccatatgg ttcagaagtt agtaaacata ttgaaacaga 240

tggaccc 247

<210> 44616

<211> 246

<212> DNA

<213> Glycine max

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<223> Clone ID: 701042373H1

<400> 44616

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catctcagtc atgggcctgc tatcttgttt taggtctacc gtcctgagaa aatgttccaa 120
aggaagctct ggcatgtcaa gattcctgta tacgaacaat tttcaacgaa acttgatttc 180
gtctggtggc aatgaatcgt attatgggta ttttaacagg agatcataca cttcacttta 240
tatggg 246

<210> 44617

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 701042374H1

<400> 44617

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gcatacacgt aaagcagttg gtttctggag tagttagagt tacatgtgtt ttgcaggcac 180
atggcaacac atgaaatgga tcccgatgtt gtctcgtggg gtcttcatct cctagatgtc 240
tgcacac 247

<210> 44618

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 701042377H1

<400> 44618

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atagcgcac agagatacat cagggaacgt gaaatcttcc aacgtgcttc ttgacaaaaa 180
cggcgtcgct ttaatctctg actttggcct ttcgctgctt ttaaaccctg ttcacgggat 240
tg 242

<210> 44619
 <211> 244
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042337H1

<400> 44619

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 cttgctgtat tcattctctt gctgaaatgc agtctttcta gatagtttgt tcaactgtcc 180
 ctttattggc gttactatgc tacctactgg agcaaaatag actcaattac gtgagaacaa 240
 cagc 244

<210> 44620
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042304H1

<400> 44620

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 gattcccgag gctgttcaact cagcgatcga gcaccggcga aaagcggcga agatgaaggt 180
 ttctgtgaag actctcaagg gcacgcactt cgaaattgaa gtgaaccctt cggacacgct 240
 ttctgaagtg aa 252

<210> 44621
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042305H1

<400> 44621

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caagaacatg attactggta cctcccaggc cgactgtgct gtccttatta ttgactccac 180
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 tgctttcacc c 251

<210> 44622
 <211> 251
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042307H1
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 ttccgattac gaaggtgccg ccacgaagc cctcggttct ctcttcaagg tcacccaagt 120
 cttcctctgg gatgatggcc ttcaggtttc atcctcagct gaacgctgga tattggatga 180
 agctgatgac aatcacggct ctgaccccggt tcctgatttg attgacctta ttacaccgga 240
 ggatttggag c 251

<210> 44623
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 <223> Clone ID: 701042309H1
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 ttctcaagaa agaaagaaga ctttatagct ctagtaaata atatgaaatt cgtttattca 180
 ttggttatat ttgtaaataa ttatttggtt tttctttgat attcttttat tctaaagagg 240
 tcctaatttg ac 252

<210> 44624
 <211> 250
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042310H1

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<400> 44624

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ccctcccgtt tccggcaccc atcgaacagt ctccggccaa gttcagttct tgcttgcgaa 180
aattctcgga atattttgaa tccaggaaat catgcacgct ccagttctag ttctcaagga 240
ctctttgaaa 250

<210> 44625

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 701042311H1

<400> 44625

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ggtgggaggg gtggaggcgg aggtggttcg ggcgataggg cagtgccggc gcgcgctgaa 180
gtttgctagg ttcattgagca gggtcgggaa gagttaccga agcgaggaag agatgaggga 240
ga 242

<210> 44626

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 701042312H1

<400> 44626

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tgcttgatat caagaaacat ggcaatcacc ggtgttcatt gatggggaga catcaagagt 120
ctcagcgtcc aagtgatcac cggtcgatgg atcgtcgtat tcgcctcttt tctaattcatg 180
gcagccgccg gagcaacctt catgttcggt ctctattcca gcgacatcaa aaccaccctc 240
ggttacgacc 250

<210> 44627
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042313H1

<400> 44627

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 ttaggggtgg gtgggttggtg tctcgcttag ggttccaaag tttgtcgctt tgaatggaac 180
 ctcgtgttgg gaataagttt cgcctgggtc ggaagatcgg aagcggctcc tttggggaga 240
 tctatttag 249

<210> 44628
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042314H1

<400> 44628

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 gaggttcaga tcgcatggcc ttaataacgg gtcgaatcaa tgcgttctc cgcacaccac 120
 cctcttcggc gtcgtcccca acccaccccc acatccctcg ccacgcgcag tccttgctcg 180
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 gccctcagtc gttg 254

<210> 44629
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042315H1

<400> 44629

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 attgaagaag atgccgatca gaaacatcgc catcggaagg cctgaagagg ctactcacc 120
 cgacacgttg aaggcggggt tggctgagtt catctccacc ttgatcttcg tggtcgccgg 180

ttcagggttcc ggcacgcct acaacaagct caccgacaac ggcgccgcca ctcccgccgg 240
cctcatctcc g 251

<210> 44630
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 701042316H1

<400> 44630

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tcagcagcaa cactgtgctg atgggagcat gtggatggag agtcagggtc agcaacagag 120
ctatgccttc caagaagagt cttggagccc tgataacaac tatggccaca accacaagca 180
attcccaggc atgcacatga acatgaacaa caacaacgac aacaaaaggc ttggtgcttt 240
tgctgctgtg gac 253

<210> 44631
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 701042317H1

<400> 44631

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acaagttgtg ttattgtatg catgagaatt gaaggagaga ggtgaagact cattatcatc 120
atcatcatat catcgtcatg tatagcatgg attcatcatc ttctggatct cagttttctc 180
agcaccacaca actccctcca gggtttcgat tccaccccccac agatgaagag ctagtgggtc 240
agtacctcaa gaaaaaagca 260

<210> 44632
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 701042319H1

<400> 44632

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 accggttaaga ccatcacct tgaggtcgag tcctccgaca ccatcgataa cgtgaaacct 120
 aagattcaag acaaggaagg gatccacct gaccagcaga gacttatctt tgcgggtaaa 180
 cagcttgagg atggtcgaac cttgcccagac tactacatcc aaaaggaatc cactctccac 240
 ctctgtcttc 250

<210> 44633
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042320H1

<400> 44633

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 ctgcctcttg ttataaaagc aatcaagaga aacaaaacac gaaggcaaca cgagtgtctt 120
 tcatcaggaa cttctctaag gtacaacatc agcatggccg agatgtaccc tcaaactcag 180
 gaacatgtcc ttcagaacca gacacatgcc cagaaagtgt ttcaccacca ccataatgaa 240
 agtcacaaaa tt 252

<210> 44634
 <211> 82
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042321H1

<400> 44634

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 cagtgaagta catatatggt cg 82

<210> 44635
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042322H1

<400> 44635

002220-ETTES60

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catgcatcac ttgtaaagga aggacagaag gctcgtttgg agaaatttga gattcctgca 120
aaaattaaat tgctttctga tccatggact cctgaatctg gcctagtcac tgctgctctc 180
aaactcaaga gagaggccat aaaaaagact tttgatgaag aactttctga gttgtatgct 240
tcataggctt 250

<210> 44636
<211> 74
<212> DNA
<213> Glycine max

<223> Clone ID: 701042323H1

<400> 44636

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gcacagaatt ctct 74

<210> 44637
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 701042324H1

<400> 44637

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ccttcatagc ctcagtggat tcccctatgg tccctacaga caccacagca aatttcgctt 180
tgctactaga ttctgagcac aaggcaaaaa ttttcaagct tgtttcotta gctaaccctc 240
acgtgagaac 250

<210> 44638
<211> 105
<212> DNA
<213> Glycine max

<223> Clone ID: 701042326H1

<400> 44638

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<210> 44639
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042327H1

<400> 44639

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 ggcggtcgtc gcaacttccc gtcgaaatttc tggaaccctc gcctcaatcg aagctcgtca 180
 tcggctttga ctgcgagggc gttgacttgt gccgcaaagg cactctctgc gtaatgcagc 240
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<210> 44640
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042328H1

<400> 44640

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 catttcggtt ctgaccttat caatgattgc tttgttaaca atcagcagca gcccttttca 180
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 tatgatcca 249

<210> 44641
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042329H1

<400> 44641

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 aggttgagga ggatggtgaa ttgctgtgt ccatcttcag cgtgccaaag ctccttatgg 180
 caagtgatcc agactcttat gtccctcaac aggttgcaat tggccctac cattattggc 240
 gtccagagct 250

<210> 44642
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042330H1

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 ttctttacta cctgataatt ttctttttcc caaaaagatt gttactgatg gggacagggg 180
 ttatctacaa acaaagtatt cttcagacag gaatcacagt ggtccgttgc aatatcggca 240
 gaagagagac a 251

<210> 44643
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042331H1

<400> 44643
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 gtggcaaccc cattttccca ggtggcacat attacattat gccatcaact tggggcgctg 180
 ccggtggtgg attgaaacta ggccggacag gaaactcaaa ctgcccagtt actgttttgc 240
 aagattactc a 251

<210> 44644
 <211> 250

002220" ETTTTS60

<212> DNA
<213> Glycine max

<223> Clone ID: 701042334H1

<400> 44644

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ggcagaagca caggttctcc gcgtcagcca tggccgatga cttcgacttc gcggataaag 120
ttcctccttc attcgatcgc gtgggaaatg tgatcaagga ttctggatcc aaagggttca 180
atccaggatt aattgtcttc ctggttggtg gtgggttggt gttgacattc ctcattggaa 240
attatgtgct 250

<210> 44645
<211> 72
<212> DNA
<213> Glycine max

<223> Clone ID: 701042335H1

<400> 44645

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aagccattcc ac 72

<210> 44646
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 701042336H1

<400> 44646

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ctccaacctc ttctactccc aattcttctt cttctcctct tctcaatacc aatcccaaca 180
acctccactg ctcccaaadc accgacttca ccgtctccaa cttcaaacaa gtcatcaacc 240
ttctcaaccg c 251

<210> 44647
<211> 74

<212> DNA
 <213> Glycine max

<223> Clone ID: 701042302H1

<400> 44647

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 agtgaggtgc ccat 74

<210> 44648
 <211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042268H1

<400> 44648

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 tgcaaaaaga aaataggagg ttacctctac cctcaatttt acgacggttc atgccccaga 180
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 gcttcgttgc tcagactaca tttccatgat tg 272

<210> 44649
 <211> 274
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042269H1

<400> 44649

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 caaccaatca acgcccctca ctcttctctc aattcctccc tcattctctca agaccaagcc 180
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<210> 44650
 <211> 272

<212> DNA
 <213> Glycine max

<223> Clone ID: 701042270H1

<400> 44650

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 gcgattggag acgcggtgtt gactttcatg tgggtgttct gttcctctgt gttgggaatt 240
 gcttcagggt acataaccaa tgcacttaac ct 272

<210> 44651
 <211> 205
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042272H1

<400> 44651

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 gaagaagagg agggatcct tcaaaacttg aaatgtggta ttcacttctt tgagctgtct 180
 aaggaggtag ggtcaaagcc ttgga 205

<210> 44652
 <211> 157
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042273H1

<400> 44652

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 aacggggcaa cgatctatcc ggggggttca ttttcgg 157

<210> 44653
 <211> 229

002220"ETFE560

<212> DNA
<213> Glycine max

<223> Clone ID: 701042274H1

<400> 44653

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tgaggggtgc agctagaagg ctctcttcct ctctcccatc tcctcctcgg ttgcggccca 180
atcaggcggc ttcggttttc ctctctcgaa acgacgtcgt cgtcgatga 229

<210> 44654
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<212> DNA
<213> Glycine max

<223> Clone ID: 701042275H1

<400> 44654

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aatttgctgt ttgctttcag caagagcttt agcttaatta tcaccaggaa tttatttggc 120
agtcattgat tattcatcat ggatgattaa cacttccttg gatctcaaca ttaatcccca 180
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ggaggtgaag aaatcttctg taaaacaag 269

<210> 44655
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701042277H1

<400> 44655

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atgatcatga aagatcagga aatgccagaa ggacttcaag gtcttggttc atttcaatct 180
gaaaataacc ctaagactca agagcagctt ggtaaagggt ccaaaaacca ttgtgaagag 240
tctctagtta caaatacaca agttaatagt g 271

<210> 44656
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042278H1

<400> 44656

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 aacttcctct tcggctgcgg ccagaacaac cagggcctct tcggcggctc cgccggcctc 180
 attggcctcg gccgccacc catcttcttc gtccaacaaa ccgccgcaa ataccgtaaa 240
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<210> 44657
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042279H1

<400> 44657

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 aagcaaagtg aacttggtgtg atacctttcc aattgaggtt tctagcgaaa gagaaaggat 180
 gtcaagtggg acaacatact ggtgttacac atgcaggcag ccaatctggc ttgaacggag 240
 ggaaggcttt tgcccctact gcgatgga 268

<210> 44658
 <211> 276
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042280H1

<400> 44658

gaaagagaaa gagaaagaga agagaataat aatttttccg ggaaaattca agttccaatc 60
 ggaatcggaa tcggaatctg aatgagtag taggggttgg tttctactat tccttctgct 120

gatctcgaaa tgccatcaag tgtggggctc ctacgcgggt tccgctagct ccatcgtaa 180
 cccttccaag gtcaaacaga tttcctggaa gccaaagagct ttcgtttatg aaggtttct 240
 cacggatttg gaatgcgacc acttgatctc tttagc 276

<210> 44659
 <211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042282H1

<400> 44659

gggaagagga accctagcta gggtttggaa gaagctgatc cgagaagatg gtgcagcgtc 60
 tcacctaccg caaacgccac agctatgcta ccaaatacaa ccagcacaga gtcgtaaga 120
 ctcccgttg caagcttggt tatcagacca cgaagaagag ggccagcgga cccaagtgcc 180
 ctgtcactgg aaagaggatt caagggattc cacatttaag gccagcagag tataatagat 240
 caaggttaca cagaaaccga aggactgtga ac 272

<210> 44660
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042283H1

<400> 44660

caagaaacga atcgaagtct ttttcttctt cttcctctc ttacgaactc gcgagatttc 60
 tttgtcctca ctcaagggtt agggatgcgg cggaacagtc cagcatacta cagtcctccg 120
 cggcgaggat acggtggcgg tggccgagga ggagggtccg gcaggagggg attcggtgga 180
 ggcaggcgca gggacagcaa tgggagcctc ttggttcgta acattcccct cgattgcaga 240
 cccgaggagc ttgcgctccc tttcgaacg 269

<210> 44661
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042286H1

<400> 44661

ctgacgagaa accagacacc agcaccgaag ttgtttcttcc cgtagagaaa gacgcacaac 60
 aagaacaaga aacctcgcca gagaaggaga aagagaacgt tcccgaaca gctgaaaccg 120
 agtccgaggt tgtttcaaaa ccaagcgggt acgacaacgt tcctgaatcc ggttctttca 180
 aggaggaaag caccattgtt tccgacctac ctgaaaccga gaaaaaggct ctgcaagaac 240
 tcaaacaact cattcaagaa gcgctcaaca a 271

<210> 44662

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 701042287H1

<400> 44662

caataatctg agagagaaac aaaaacaatg aaggtttcca ttgccaagtt ccaactccctt 60
 cccctatgtt ttttccttct cttggccttc aacacaaaac ccctcctagc agcagaacca 120
 gagccagtgg ttgataagca agggaaccct ttggagccag gagtagggta ctacgtgtgg 180
 ccactttggg ctgatgaagg aggcctcaca ctaggccaaa caaggaacaa gacatgcctt 240
 ctttatgtta tccgtgaccc ttcattcatt 270

<210> 44663

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 701042288H1

<400> 44663

gggtgttaaa gccaggaaac ggaagctcag tggttttgga cttcgtgtgt aaaaaatta 60
 tgatccaaga gcaaaggctt tgaggaaact gacagaggaa gtgttttcca ttgttgccg 120
 ggatcctctt atagagattg ctgttcctt ggagaagatt gcactgtctg atgagtattt 180
 catcaagagg aagctatatc caaatgttga cttctactct ggactgattt atagggccat 240
 ggggtttcaa cctgagtttt tcaactgtt 268

<210> 44664
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042289H1

<400> 44664

tgcaacctca atttagccag attaacatct ctgttacatg gaggggaaag aaatttggtg 60
 tcgagatgaa tataggagcc aatgtgaagg atctagggca ggaattgcaa aagttaacaa 120
 atatcaaaga agataccatg cgggttcattg ttccacagat ttctgccagc acgtcaaaac 180
 ttctggcccc cttttccaag gaacatgcac ttttaagtct gcaggaaact tcaattaccg 240
 aggccaggtc aattataatg at 262

<210> 44665
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042290H1

<400> 44665

taatggcggt tgctcacgac ttggagttgg aatcctcttc ttccccctctg gtgttctcag 60
 tacggaggag tgaaccggag ctggtggctc cggccaagcc cactccccgc gaaattaaga 120
 tcctatctga gatagattct caggcgggtc ttctgacctca aattccaatc atacagttct 180
 accgtaacga cccatcattg gcaggcaagg acccagttca agccattcga aacgctcttg 240
 cggaagcact tgttttctac taccggtt 269

<210> 44666
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042291H1

<400> 44666

gagagaaacc catttctaga gagagaaact cgcagtcgca gacatgtctt cttcgtatgc 60
 cttcgccgac gacttgaacg tcaactcttc ttccactcgc cagcacgacc atgacgagga 120
 caacttctct ggctacggcg gctactcctc cttcaccgga ggattctccg ccgacggaga 180

tgtcgccgtc gatcactccg ccgccgcgtc gccggagatc tacggcttca ctgattcgaa 240
 tcccgtttac tctcagtctc ccttcgaat 269

<210> 44667
 <211> 269
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 701042292H1

<400> 44667

gttgacatgc acatccaaat gtcttctttc ctcttagcat cgtttgcact tttgttttgc 60
 atctccacct tggagaagag ctttgccitt caagcaacaa aggaaagcaa caatcttcgt 120
 caatatcatt ttgttcacct caactcteta tttccatcat cttcttgag ctcttctgcc 180
 aaaggtccta aaaggaaagc atcattagca gtggtacaca aacatggccc atgctcccaa 240
 ctanatcata atggcaaagc aaagactac 269

<210> 44668
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042293H1

<400> 44668

ctcgagcggg ttgattggga tcatcctatc cacttgcagc ccacaagtcc tactactgtg 60
 aagaaggtca gtgttggttg ggatgcctat gaagcaacaa aggatgcaca tggcctttgc 120
 attctaaccg agtgggatga gttcaagact cttgattacc agaagatatt tgacaacatg 180
 caaaaaccag catttggttt tgatggcaga aacattgtgg atgctgataa gttgcgtgag 240
 attggttca tagtttactc aattggtaa 269

<210> 44669
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042294H1

002220 032220 032220

<400> 44669

gtcagatctg gtccttacgg tcagattttc cgacctgata acttcgtctt cggccagtcc 60
ggcgccggaa acaactgggc caaaggtcac tacaccgaag gcgctgagtt gattgactct 120
gttctcgatg ttgtcaggaa ggaggcagaa aactgtgact gccttcaagg gtttcagggtt 180
tgccactctc ttggtggtgg aactggttct ggaatgggaa cactgttgat ctggaagatc 240
agggagaagt accctgaccg aatgatgctt 270

<210> 44670

<211> 227

<212> DNA

<213> Glycine max

<223> Clone ID: 701042296H1

<400> 44670

ttgacaacca tgagtgatgt atatagcttt ggagttgttc tcctagagct cctcacagga 60
aagaactctg tggacaagaa aagacccacc agagagcagg atttggtgga atgggcaagg 120
ccattgttga aggattccca taaactagaa agaataatgg acacaagact tgaggatcag 180
tactcaactg aaggggctag aaaatttgca gccttggtt atcaatg 227

<210> 44671

<211> 256

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701042301H1

<400> 44671

ggctcacatc atccaatgcc aatccgacgg ccacgatccc ttccacgtgc tcctcgagcc 60
gnagatgaac caggaggaca cgtggcgcaa ttacgccgcc gacgtcgacg tactccacgc 120
cgccgtgtat agcatcagcc acgaccgctt cgccgtgttc ctccgcctcc acaccgcttc 180
gtgcgtacgc gcctccgccg tggcgctgct caacgagctc ctccgcttcg tcgccggcgg 240
cgacgaggcg agcggg 256

<210> 44672

<211> 274

002220" ETTES60

<212> DNA
<213> Glycine max

<223> Clone ID: 701042267H1

<400> 44672

aaagtgtcta cagagaagag aacaacatag cagagagaga gagagagaga gagagagaga 60
gagagaagag cttatctact tcactttctg gagagacatg gagggtgcta actggaagat 120
aacagaggaa gaagcagggc catcctcttc ttctgggatt gcttcaaata aacaacaaaa 180
cccacctgaa acttttcatc atcaacatca taggaaggag gctgcagcag aagaagaaga 240
caccgaggaa gagggagaag acgatgttga tcat 274

<210> 44673
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701042229H1

<400> 44673

gtcgcttctc gaaccctact tcttccgagg tgattgcatt tcaattcctg taatggcgat 60
tgataatatt tttaaactg aagccagtga agaaaaagga gagcgggcca gaatggcttc 120
ttttgttggg gccatggcta ttgctgactt ggtgaagaca accttggggc caaaggggaat 180
ggataaaatt ttgcagtcaa caggtagagg acgtgaagtt actgtcacta atgatgggtgc 240
tacaatcttg aagtcctcc atattgataa 270

<210> 44674
<211> 139
<212> DNA
<213> Glycine max

<223> Clone ID: 701042230H1

<400> 44674

aacctctaac ctacctcttt ttcttctctc tcaacaactt caccttcttc ctctcgatc 60
atgtctcact tcaagggcaa gtaccatgat gagcttatcg ccaatgctgc gtacattggc 120
actcctggaa agggtatctc 139

<210> 44675
 <211> 283
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042231H1

<400> 44675

gaagcacctt ttctgagggg gagagtcttc cacttttctg cagagtccat agcaaaaactg 60
 aaagcaaaag ccaactcaga gtccaatacc acaaaaatct cttcattcca gtcattatca 120
 gcacttgtct ggagatccat aactctcgcg cgctccgtgc cgtacgagca aaaaacaagt 180
 tgcaagatgg ctataaacia tagatcaaga atggaaccgc ctatgccaga agaatacttt 240
 ggaaacttag ttcaagtagt gagtgcagaa acgacaacia ggg 283

<210> 44676
 <211> 285
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042232H1

<400> 44676

aacgatatca gtcttcatt catcaacaac cactctctct cccctctctg cagcaaaaacc 60
 aattctccgg cgacatctcc ggtcagggtc cggcagcctc tccggcgact cggcatggca 120
 actcaatgaa tgcggaatca ccgccggggc tctcatgtc ggtttcctgc ctctccgact 180
 acgacctct ctgcgcgag gactcctccg gaatcctctc cggagagtcg ccggagtgc 240
 ccttctccga catcgactcc tcacctctc cgccgtcgcc gacga 285

<210> 44677
 <211> 282
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042233H1

<400> 44677

cactgttcca atacggaatc taaggcaaag caaaccaaac atcttgaatc atgggttcaa 60
 caggtgagac tcagattacc ccaaccacg tatctgatga agaagcaaac cttttcgcca 120
 tgcaactagc cagtgttct gtccttcaa tgatcctcaa atcagcactt gagcttgatc 180

tggtggaaat catagccaag gctggccctg gtgttcatct ttccccact gacatttctt 240
ctcagctccc aacacagaac cctgatgcac ccgttatggt gg 282

<210> 44678
<211> 281
<212> DNA
<213> Glycine max

<223> Clone ID: 701042234H1

<400> 44678

cagaaccttc tgagggttaa gcaaaaaaca aagagagaga gagagagaaa atgatgaagc 60
catcgatgct cagatctctc cactccgccg ccacccgccg cgcctctcat ctcttccgcc 120
gtgggtacgc ctccgagccg gtgccggagc gcaaggtagc cgttctcggc gccgctcggc 180
gggatcgggc agcctctctc ccttctcatg aagctcaatc ccctcgtttc gagcctctcc 240
ctttacgata tcgccggaac tcccggcgtc gccgccgata t 281

<210> 44679
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 701042236H1

<400> 44679

ggggggtggc actgtttggc cgttgatgat cagggcagag cttatgcttg ggggtggaaat 60
gaatacgggc agtgtggcga agaaccgag cgcaaggatg gcaactgtag acctttaagg 120
agagatatag agatccctca gcgctgtgct cctaagcctg ttgttcggca ggttgctgca 180
ggaggaactc actcagtggc acttacacga gaagggcatg tttggacatg gggtcagcca 240
tggccgcctg gtgacataaa acagatttca gtccc 275

<210> 44680
<211> 276
<212> DNA
<213> Glycine max

<223> Clone ID: 701042238H1

<400> 44680

cctgactctg tgtagtggt gtgtttgttg tgtgttgaga agcagagatg caaggcagcg 60
 cggccgacgg agaagccttg gatttcgagc ctgaggacga tgacttgatg gacgaggacg 120
 gcgccccga cgccgaagcc gacgcttctc cacctcaacc taagctcaaa tccgccatca 180
 cccccgccgc cacttctctc ctctccgcc cgaagaagac caagggccgc ggattccgcc 240
 aggacactga cgccaaccgc aacactcgcc tctccg 276

<210> 44681
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042240H1

<400> 44681

gaggttttga cgcaacacac tttcactgag aaaggatctc tatctaccaa ggagcagaat 60
 aaaacccttc tctctggtaa gtgaataaga gaatggcttc agatcggaac cttcacactt 120
 tcgaggaggt ggcaaagcac gaccagacca aggattgctg gctcatcatt tctggcaagg 180
 tgtatgatgt caccctttc atggaggatc atcccggagg tgatgaggtt ttgttatctg 240
 caacaaggaa agatgcaacc aatgattttg aagat 275

<210> 44682
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042241H1

<400> 44682

ctttgcctcc ccttctcact tcgcttattc ttctctcgtg tactatgtct cttctttctt 60
 gatgctatgt tgatgactgg ataaaatctg agacagaagg gtagtttcta gaaacttgac 120
 agagctaatt aagagaatct tggatattat aggaagtaga ttactttatt aactgggtaa 180
 taagtcgttg tttggaggct atagatggcg atgcaaaccg tttatctgaa agaacatgaa 240
 ggacttgctc acagttctgt tgggcagttg t 271

<210> 44683
 <211> 284

<212> DNA
 <213> Glycine max
 <223> Clone ID: 701042248H1
 <400> 44683

taggcagagt ctcttgcacg ctttcaagga gggtcaccct acatatatcc tttgtatggt 60
 ttaggagagc ttccccaggc atttgcacgg cttagtgtg tttatgggtgg gacatatatg 120
 ttgaataagc ctgagtgcac ggtagaattt gatgaggaag gaaaggttgt tgggtgtcaca 180
 tctgaagggg aaactgcaaa gtgcaaaaaa gttgtttgtg atccatcata tttgcccggc 240
 aaggtgagga aggttggttag ggttgcaaga gcaatagcca taat 284

<210> 44684
 <211> 277
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: 701042249H1
 <400> 44684

tggatccgca gatctaata tttcacacac tttcctcact acggatcatt ttncctcttca 60
 tctgtgggca cccaatagc ttcttctaata cgacagtcca attttgttgg tttgtggtgg 120
 atcatcttcg tcgttgtggt gactagttag gagtgcagga ctatacctat ctatatagtg 180
 tatgaaaatt caggggggtg aagtcgtttt tggagtagtt gataaatgtt gaaatccttg 240
 acggttgttt ggtgaaatga gggatgttat cggggtt 277

<210> 44685
 <211> 274
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042251H1
 <400> 44685

gtggttttca tcgtcttctt tctcttatat ttcttttttt ttttgtcttc gccgcacgcc 60
 gaaacaatgg ccggaaaagg agagggtcct gctatcgga tcgatctcgg aaccacctac 120
 tcttgtgtcg gtgtgtggca acatgaccga gttgaaatca tcgccaacga ccaagggaac 180

agaacgacgc cgtcttacgt cggcttcact gataccgagc gtctcatcgg tgatgcggct 240
 aagaaccaag tcgcatgaa ccccatcaac accg 274

<210> 44686
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042252H1

<400> 44686

tcgaaattgg cgctctgcta cgaatccatc ttcttctcca acttccattt caccgatcaa 60
 attcaattca atgggtgcc aacacagtcg cgaagatctg ttggaatctt ccgattcaga 120
 gcaagaggag catgaaacct tcgaagacgc caccgaagga agcgccgaac ggaaaccgtc 180
 aacgccgtca tccctcgatg acgtggagge caactcaaag ccttgaaatc caattactct 240
 tcaaattcaa ccccggcg 258

<210> 44687
 <211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042255H1

<400> 44687

caaaacgttt atagatcata actactacgt attggaagac agctttgggtt tcagtttttt 60
 gtcatcactc tcagctgggc ggtgcttata gatccagcgc cagcagattc aatttgacac 120
 tggaagcaac ttttcatttc aaagattaag tgaaaacatg gctgtccttg ctgcttccat 180
 tgtgagcaaa tctggcaaag ttctagtttc tagacagttt gtggacatgt ctcgatcag 240
 aattgaggga cttctagcag catttcccaa gt 272

<210> 44688
 <211> 274
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042258H1

<400> 44688

09531113.032200

caccacccta ttactacaaa tcacctccac ccccatcacc ttctccacca cctccttact 60
actacaagag tcttcctcca ccatctcccg tttctcatcc tccctactac tacaaatctc 120
ctccaccccc aacgtcgtct cccccacctc cttatcacta cgtgagccct ccaccaccaa 180
ccaagtctcc accaccacca gtttacatct atgcttcccc tccaccaccc atctacaagt 240
aagcttgga ttaagaagca gcaacaataa taag 274

<210> 44689
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701042259H1

<400> 44689

gccacatgaa atacaacaga tctagcaggg atatatctac aattgtccaa tgagctggcc 60
aaagtacaat taacttgtgt tagagactaa taagcgaatc atcagataac gacaaaaata 120
actaaaaaaaa ttggtattga tgggtgggagg gggtaaaata aagtgatgat tggcatcttc 180
catgagcaaa tccagctccc cagaagcatg tggttggttg gttggcattc attgaatatt 240
ggcttcgcat gaggcatttt ctggttatgga g 271

<210> 44690
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701042260H1

<400> 44690

ctttgataat ctcctatcct ttggttacta ccgtaaaacc tgtccccaat ttgaatccat 60
cctacacaac aaagtcacag aatggatcca gaaggactac actttagcag ctagtctcat 120
gaggctccac ttccatgatt gctctgtcag gggatgtgat gggccattc tgttgaagca 180
tgatggaagt gagaggacag cacaagctag caagacactg agaggggttg aagtgggtgga 240
tgatataaag gcagagttag agaaacaatg c 271

<210> 44691
<211> 273
<212> DNA

0953113.032200

<213> Glycine max

<223> Clone ID: 701042261H1

<400> 44691

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tcctgtcggg ggctctgac tatgtatgac atttccacga tgctatatgc tcgcttcgcc 120
atttcatcac tagtgtcttc ttgtcttggga agttgctatg gaatctaggg gttcaacaag 180
ctaaataaaa gtaaggatgat aaagcatgga gtttttgaaa atcaagaagt tcagaaaatc 240
tcagaaagca gatggagaaa aggatttggc aga 273

<210> 44692

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 701042262H1

<400> 44692

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ctccattctc gtcacatct tcacattcca tggatcccat aatttggagc aaattgccac 120
ccgaaatcct cgaatacata ctctcttttc ttctctcaa aaccttctta aacctagat 180
ccacttgcaa aggtttctgg tctctcatat tctctctcc tttcatttcg aaactgtt 240
ctcccactgc ttcttcaccc ttctctcat tcc 273

<210> 44693

<211> 278

<212> DNA

<213> Glycine max

<223> Clone ID: 701042263H1

<400> 44693

cattcgttga cttgggctct ctcttctctt ctcttctctc tcaaaatcgt ttctctgcat 60
tttcagctaa acctgagcac acccaactga gatttttagct tcagattccg aggtaagagg 120
agaaagaaga gaactaagtg ctaccagag ttcgattttt gggttggtca acaaggtaa 180
gatgtttctg agcttgatgg gtatcatgta gatcaagagg ggtgcgtgtg tggattgggg 240

002220"ETTES0

aagcaatttg tttatgaagt tgaagaagca tggataga

278

<210> 44694
<211> 275
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 701042265H1

<400> 44694

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ttccttctaa gcctgcttca agtccttgag ttcagttctt acaatcacga aaggatcaag 120
ttgaatgaaa attcaacctt gttgccgatc aaactccac tctaatttat tcaatctgtg 180
tgactaggta ggtgcaatta cggttgatg agtgtccttc tgctgtaaag tgccaagtaa 240
cgatattaat ctccaatttt ttttaaccct gacgg 275

<210> 44695
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701042266H1

<400> 44695

caagcaccca ctatcactcc ctacgacct catgacaaca attcccgcaa aaccctttaa 60
caacaacatg gctgcagcat tcacgagaag cttttcatcc acctctcaac taagctcaaa 120
atcaccaaac attaacatgt tcgaggaaaa tggctctcctt tcacctcaca tgtccgccac 180
agcattgctc caaaaagctg cagaaatggg tgcaacagt aatagtaaca gcaacaacaa 240
cagcatgatg atgagtggag aaaaagctta 270

<210> 44696
<211> 276
<212> DNA
<213> Glycine max

<223> Clone ID: 701042228H1

<400> 44696

cctctctttg tgtcgcttg tcttggcatc tccgcagcac caccaccct ggaccaggtc 60

ttcaacagag agaaagagaa ggaaaaaacac acacacacac acacacacac gttaaactaa 120
 cattttttat tagtaagaag acatgggtca acccagttcc aacggggatc tgaataataa 180
 ccagcagggc caggttcagc aacagcagca gcagtgggagc ggggagcagc gattcagtat 240
 cagcagcaat ggatggccat gcagtaccgc gcctcc 276

<210> 44697
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042194H1

<400> 44697

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 cccaagctgt aaagacgatt cttcttgaag ttccttcctt tggtagacag acatcaggtg 180
 cccctagtta ttccaagttt gtaagccgcg agatgagcaa agccgaggcc cttttaaagg 240
 ttatactttc tcc 253

<210> 44698
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042203H1

<400> 44698

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 ttaagtccac gcatagtgaag agattttcgg gactatgcgg aactttgctt caaggaattt 180
 ggtgataggg tgaagcattg gggtactttg aatgagccat ggagttacag ccaaaatggc 240
 tatgcaaagt gacgaatggc accaggacgt tgttctg 277

<210> 44699
 <211> 280
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042205H1

<400> 44699

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 taagcaaagg agcaacagaa ggaggtgctt ggttgcaaat ggcggccacc gcaagcaaca 180
 acgacgtcgc cgccgccgcc gacggccccg tgatgagcct aatcaacaag cgcctccgcg 240
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<210> 44700

<211> 281

<212> DNA

<213> Glycine max

<223> Clone ID: 701042206H1

<400> 44700

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 aaacgccgtc gttcgcgctt gcggcccaga cttcaatacc cctctcccgt cggatttcga 180
 tctggactca tccagcgacg acgaagacca aaacgacgac gcttcgtatc tcaaggagtt 240
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<210> 44701

<211> 274

<212> DNA

<213> Glycine max

<223> Clone ID: 701042208H1

<400> 44701

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 gagatgggcy ccaccgcctc cggcggcggt cgcggcggcg aggtgaacct tgacaagttc 180
 ttcgaggacg tggaaggcgt gaaggaggaa ctaaaggagt tggaaggttt ggctcagagt 240
 ctaaggagca gccacgagca gagaagacgc tgca 274

<210> 44702
 <211> 278
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042209H1

<400> 44702

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 catcacagtt ttcagtgagt gattttttct cttacaattt caatttttct ttctccaaac 180
 tcacccaaaa caacattact cgtttgtctt ttgcaggaaa tattgaagat tccgaaaaga 240
 acacatcaaa gtcaaaaaca aggggtgcaac aacaacaa 278

<210> 44703
 <211> 110
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042210H1

<400> 44703

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<210> 44704
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042211H1

<400> 44704

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 ggtcgtggtt gttgttttcg ccatcaaac aatgtcttcg ccggacattg tctcgatatt 180
 ggagaactcg aaggagttcg atcgggtgag gaaagaacaa gaggatattc tgtcggagat 240
 caacaaactt cacaagaatg ctcaagcaac tcctgaa 277

<210> 44705
 <211> 205
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042212H1

<400> 44705

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 gaagatccac gaccacgatt cgtcattctt gtcggattcc gacaacgaga aaaccagggc 180
 ttctgactcc ttgaagtcaa aggtt 205

<210> 44706
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042213H1

<400> 44706

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 gccgggtctt tcatagatct ggtgcgtaga ggctcagatc tacggtaccg aggtacaaca 180
 gagaatcgat gacaagaacg cagatccgac ggtagatcca gccgattccg cttgttcgat 240
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<210> 44707
 <211> 278
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042214H1

<400> 44707

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 aaagctcaat attcattcgt ccatggcact ctcttctcgt ctcttttcca aatccaaatt 120
 gatctatggc tgtcaaatac ttctgcaaaa ggagcatgct attccagttc gtcactttgc 180

taaagagtct gcccctcctg cccttaaggg agatcagatg ctgaagaaca tttttgtgga 240
 ggtgaagaac aaatttgaga ctgccatagg aatattaa 278

<210> 44708
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042215H1

<400> 44708

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 gatgcaagga gttttagctg ggcagtggac agcgccataa ggagtgagac tgggtccatt 120
 tttggagaat ctctgtgccg tagctttgct tcgttagtgg acagtgccat aaggagtagt 180
 agtgccagtg aagcagattt gggatcatcc cttccccag tgcattgttt tgcctccgct 240
 gtggatatca ggactgttgc tgcacgatta ttcaccg 277

<210> 44709
 <211> 283
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042216H1

<400> 44709

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 aagtttatac gccccagag tgatcgcaag atctccgtca agccaagctg gcgcagaccc 120
 aagggtattg attctcgtgt caggagaaag ttcaaaggat gcactttgat gcccaacatt 180
 ggttatggct cagacaagaa aaccgccat tatctaccaa atggtttcaa gaaatttgtc 240
 gtgcacaatg tgaaagacct ggaacttctc atgatgcata aca 283

<210> 44710
 <211> 280
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042217H1

<400> 44710

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 cttcaaccac aaaagccttc attttactgg aaacactcct aatccgtatg agcaagcaat 120
 ctctataatt ggccgtactc tctcttcatt tgatgaagac aatctgatac catgttttgg 180
 atttggtgat gcatctacac atgatcagaa tgtgttcagc ttttatcctg atgagtgcta 240
 ttgtcatggt tttgagcaag tacttgcacg ctaccgagag 280

<210> 44711
 <211> 276
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042218H1

<400> 44711

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 tggtgctgc tatcggaac ttgctgcaag gatgggataa tgccaccatt gcaggtcata 120
 tttttattcg gttagccaat taagataaca ttcaaccaag tctaattggc tttctatgct 180
 atgcaggatc tattttgtac ataaagaggg agtttaattt acaaagtga cccacaatag 240
 aaggtcta tgtggccatg tcacttattg gagcca 276

<210> 44712
 <211> 279
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042219H1

<400> 44712

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 accaagccaa caaactgaa gaaggaatta ccacttttgt tcctaaggac agcgctccaa 120
 atgctataaa gaaaactacc ctatccaacc tcacctctaa ccagctaaag caagtgatcc 180
 ttttccatgc cttgccacat ttctattctc tggctgagtt cacaagcctt agccaaacca 240
 gctctactcc cacattcgcc ggaggagatt acactttga 279

<210> 44713
 <211> 275

002220 ET 03200

<212> DNA
<213> Glycine max

<223> Clone ID: 701042220H1

<400> 44713

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agtactctag gtcctttatt acccaatgca tggtctgctt atggaaacaa cattggtctt 120
actggcgcaa taatgaatac accgccctaa gatttctctt tacaattgct gttgccttgt 180
tgtttgggag catatattgg aaccttggct ccaaaatcaa aaagcaacaa gatcttttca 240
atgccatggg atccatgtat gctgctgttc ttctt 275

<210> 44714
<211> 276
<212> DNA
<213> Glycine max

<223> Clone ID: 701042221H1

<400> 44714

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ttggtcttag ggacaccaaa tgtcttccag ataaatgctt taacacgtgc tcttttagac 180
agacaactag aaggttggaa tgaggggtgtg aaggagctgg catacaaact tagatcattc 240
atggaattgt gcattttaat ccttgaatt tccagg 276

<210> 44715
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701042222H1

<400> 44715

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tgagagtggt atatttgcaa cagcccttca ttcaaccaga ggaggctgct gcttgtgaag 180
aagttggatc agataagagt gtggaaaatg gatccattgg aatggttttt cttagcacac 240

ttgttgctgt ttgtggttct ttcacatttg g

271

<210> 44716
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 701042224H1

<400> 44716

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catttcaccg ccaataactt aatttgcatt ttttgaattc cttgacttgt gttccttagt 120
atctttcaaa ttctggtgac tgaaaaaaaa actgtgagaa atcctacata cttgagccct 180
tctggatttg gaaaatcatt tctgcctggt gagatttcaa tatggtcaat atgatgattg 240
gtagctctgg aacttttagat gagaaggcta gtttg 275

<210> 44717
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 701042225H1

<400> 44717

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ctggggcgga agcacaaccg ttgactagtc tcaaacttaa ctctcatatt cttcaggagt 120
ctactgctaa agagattaat gaaaatcccg aggcaggatg ggaggctgct ataaatcctc 180
gtttctccaa ttatacagtt gaacaattta agcgccttct tggagtcaaa ccaatgccta 240
agaaggaact tagaagtaca cctgctatat ctca 274

<210> 44718
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 701042226H1

<400> 44718

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 aaatacccca atgccc aaag caatcataga ctttctaaac cttgatcaac ttcctctttg 180
 gtatggtgct aaggaaaccc aatctacaga tcaaataatc ctgtatgatg ctaagaaaac 240
 ccaatcaaca gatcaagttc ctctatctt ttat 274

<210> 44719
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042193H1

<400> 44719
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 ggagtcctat ttgtatgcaa ccacaggaca gtttttagacc ctgtgggttac agctgttgca 120
 ttaggaagga aaattagctg tgtcacatat agcataagca aattcactga aataatttca 180
 ccaatcaaag ctgtggcact ctctagggag agggacaaag atgctgcca catcaagaac 240
 ttgcttgagg aa 252

<210> 44720
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042163H1

<400> 44720
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 gcacacaaag aagcccttga aattattatg aaggaaagat caggaggaac ttttgagtct 120
 ttagtaagg tgatgggtgc tcatattggc cttccatcat cagtgaccag cttcttttgg 180
 gagagtggat tgcttggaag gaaagaaacc acagagccac catcagaagc aacagtgtct 240
 cccaaagctg ctgcac 256

<210> 44721
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042165H1

<400> 44721

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 ttgaatgaaa attcaacctt gttgccgatc aaactcccta actaatttat tcaatctgtg 180
 tgactaggta ggtgcaatta cggcttgatg agtgtccttc tgctgtaaag tgccaagtaa 240
 cgatattaat ctccaatttt tt 262

<210> 44722

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 701042166H1

<400> 44722

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 ctcgagtgcc ttgacgtggc tggacgagca gccacgtgga agtggtttgt ttgtttcctt 180
 cggaagcggg gggacactct cgagtgcaca gatcaacgag ctggctctcg gggttgaaaa 240
 aagtgagcaa cggtttct 258

<210> 44723

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 701042167H1

<400> 44723

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 cctgcagtcg gcctcgccac tcttcaagca gcgatcgtg tgccggagc cttccgcga 180
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<210> 44724
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042169H1

<400> 44724

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 aagggttttaa gttccatagt ggcatgtata tattcattca gtgcccccaa atttcgcct 120
 ttgaatggca tccattttcc ttgacttcag ggccacaaga agactacctc agtggttcaca 180
 ttagaacact cggagactgg agctacaaaa tatatgatct attccaagag gcagtgttat 240
 cagcatcaca aggggtgtcca 260

<210> 44725
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042171H1

<400> 44725

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 caggacttta tgctggacaa ttcacatgg gaggttttct aaacttaagg ttaaagaagt 180
 ggatgagagc attgatcacc cgaagttgtg caatatttcc aaccatgata gttgctctta 240
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<210> 44726
 <211> 257
 <212> DNA
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<223> Clone ID: 701042172H1

<400> 44726

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ctattgcctt gaacacggca ttcagcccca tgggcagatg ccgagtgaca agaccgttgg 180
 aggaggagac gacgccttca acacattctt cagcgagacc ggcgccggaa agcacgtgcc 240
 tcgcgccgtc ttcgtgg 257

<210> 44727
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042173H1
 <400> 44727

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 ttctactgta gaaggatatat gggagcactt aaatgttaca aaggatcaat ctgattacct 120
 ttggtattca accagagtat atgtttcaga tagtgacatc ttgttttggg aggaaaatga 180
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 ccagcttata ggtat 255

<210> 44728
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042174H1
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 cggctggaac tctattctgg agagcgtggt gaacggtgtg cctttcatag cctggcctct 180
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 cccaacgttg cag 253

<210> 44729
 <211> 238
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042176H1

<400> 44729

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 gcgtgagcct ccacagagat tcatcaggcg cagggatgat gcaccaagac ctggtcagcc 180
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<210> 44730

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 701042177H1

<400> 44730

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 attgaattgc agagattgga aaaatggcgt tgagtatgac tcaacagatc gggaccctag 180
 ctggtgcgac ggtgccggat tcctcgcccg gagaatcgac cgcggcggtg agtgccgccc 240
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<210> 44731

<211> 183

<212> DNA

<213> Glycine max

<223> Clone ID: 701042178H1

<400> 44731

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 ataaataatg accactcttc ttcaacttca ataatactca cctttgaatg gattcttctt 180
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<210> 44732

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 701042179H1

<400> 44732

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acactctagg ggtgctgaag aatatgaagg tggtcgtgta cgagcttcct ccaaagtaca 120
acaccgattg gcttgcgaa gagaggtgta gcagtcattt attcgcttcg gaagttgcta 180
ttcacagggc actgttaacg agcgaggttc gcacgtttga ccatacgaa gctgatttct 240
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<210> 44733

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 701042180H1

<400> 44733

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ttgtctttct cagcaaaacc tacgatccga ggaagaggaa ggaacgatgt cttcgtcatc 120
gggaagcaca gcagcagcaa cgccgattct gaaggaggag gtggacatag tgattccac 180
gatacgtaac ctggacttct tggggatgtg gaggcccttc ttcgagggtt atcatttgat 240
aatagtgcag gacggt 256

<210> 44734

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 701042181H1

<400> 44734

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tagacaatcc acgtagaaca cttcacgtgt cttgtggctc cacatcacca catgcttccc 180
agagatcatc aattcagggg ggtgaagttt tttcaggggt gtgttggaat gtatgcaatc 240
tggtattgaa cag 253

<210> 44735
 <211> 259
 <212> DNA
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<223> Clone ID: 701042183H1

<400> 44735

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 cttatctatc taaacatcat aacattgcac aagattatca ctttgggttt tatgaatctg 180
 taccagagaa attgagatgg cctgttctcg ttatagccat acttgctgca gttgtgggaa 240
 gtcaagccat tatcactgg 259

<210> 44736
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042184H1

<400> 44736

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 tttttttgtc agttcagatc ttcaagaaga agaatccaga gaagctatat atacatcatc 180
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 tagaaaatga gacgagtag 259

<210> 44737
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042185H1

<400> 44737

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aaagccttat gcaagatccc aaagttattc atcatgcact ggataatatc cacaaccaca 180
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 tggaactcca tgactacc 258

<210> 44738
 <211> 255
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042186H1
 <400> 44738

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 ccaaagctct tacctcagtt tgtaaaagat gtgaatgtga tccaagggtga tggatgaagct 180
 ggaagcattg aacaagttaa cttcaatgaa gctagcccct tcaaatatct gaaacacagg 240
 attgatgtgc ttgac 255

<210> 44739
 <211> 87
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042187H1
 <400> 44739

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<210> 44740
 <211> 249
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042188H1
 <400> 44740

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ccgattccgg cgacctcttc ttcgccgcgc acctcctctc ccaccgccac aacccccaga 180
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 tctcgcacg 249

<210> 44741
 <211> 251
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042189H1
 <400> 44741

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 caatccgaac ctgagtactt cgaagataag cgcaacttgg aagatttgtg gaaggaaaca 120
 ttccccgttg gaactgagtg ggaccaattg gatactgtct atcaatacaa gtgggatttc 180
 tcgaatctag aaaatgcgtt tgaagaggat ggcgtgttgt atgggaaaaa ggtttatctc 240
 ttgggttgca c 251

<210> 44742
 <211> 249
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042190H1
 <400> 44742

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 tctctaattc aaaaaaaaaat ctgttgtgaa caaacacaca ttattgtttg ttttcatccc 120
 acggaaaaat cgatcaggca aaacaaacaa aggtgaaact gaataggtgc gtgtttgtgt 180
 tgatgggcta agaggacaga gaaaaagaaa gaaagagtat aaaatcaaat ctggcaaadc 240
 tcgtggggt 249

<210> 44743
 <211> 253
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042191H1

<400> 44743

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 tgggtgggagc agcttctcac cgtgacgctg ctctacgaag acgacgacaa cctcgtgtga 120
 caacatcaaa taatgggaaa aggaacatg gaactcgaga caaacaaggt ctatgactac 180
 gaggatgcac gaggggacgt tgaagtecca gataccgctc atcagataag cactgattca 240
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<210> 44744

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 701042161H1

<400> 44744

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 taaaattgta cgaagcagaa agaacatggc tccgtctagc aaggctgaga aaaaggctgc 120
 cgtggatgca gctgcatgga tgttcaatgt tgttacatct gttggaatca tcattgtaaa 180
 caaagctttg atggcctctt atggcttcag ttttgccaca acattaacag gcatgcactt 240
 tgctaccaca actttg 256

<210> 44745

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 701042192H1

<400> 44745

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 tttttcttcc tttcaaacac acatacgaag gtctctcttt tttcttggtt ccttttgtct 180
 ttctttcttt cttggtggca gaaaaaatg ggtattggag agaagagtcc aagcaagagt 240
 ttcaatctgc ac 252

0953113.032200

<210> 44746
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 701042121H1

<400> 44746

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gtttgttgaa actaaggag gaagtttcaa aagcaaatgc agataatcaa attgtcgatc 120
cattgctgaa ggataagata gaaaagctaa ggggtggagtt tgaacagcaa ctgcgtgcag 180
ctcccaatta tggaaggctg cagaataagt ttacctatct gagcgaatta tgtaaagtta 240
agcttctgtc agatgcaaac aagg 264

<210> 44747
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 701042122H1

<400> 44747

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actgaaaata tacttctctc cattcttctc accggggcac ctaatccctc tgggtccagct 120
ggctcgcttg gtggcgccac gaggccagca cgtgaccatc atcaccaccc ccgccaacgc 180
tcaactcttc gaccagaaca tcgacaagga caccgcctcc ggccaccaca tccgcgtcca 240
catcatcaag ttcttcaacg cc 262

<210> 44748
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 701042124H1

<400> 44748

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gaagaagcct ccttcaccgg caacgccagt ggacctccag aaaccgtcgt cggcagcgtt 120
tcggacgacg aaaattgcat gcttctggcc gcctaccctt ggacgacggc gacgcatttg 180

ggattgaaga ctgacgccgt cttctcggcc tctgaaaaca ggttataatt tcaataggaa 240
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<210> 44749
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042127H1

<400> 44749

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 ggccttggtc tggagaccac ccgggttctt gcattgcgcg gtgtccatgt tgttatggca 180
 gtaaggagtc tggacagtgg taagaatgtc aaagaaacaa tacttaagga aatccccctcg 240
 gctaaaattg atgtcatg 258

<210> 44750
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042131H1

<400> 44750

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 acgcatggaa tgggtggaaa caatggtttg gtgatttaat atttaggttc tcgttttagaa 180
 ggcattcagtg tcagaatttt gttacggtac taaggtagat ttttattaat acattataca 240
 tgtcata 247

<210> 44751
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042132H1

<400> 44751

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 aggttaacaa acctcaatca cttcctccat accctgagat gatagtgaag gcacttgaag 180
 cactgaatga gccaaatgga tcgaacaagt cagcaatatc aaagtacata gaaacccact 240
 aggggtgagtc gcca 254

<210> 44752
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042133H1

<400> 44752

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 aagaagccag agtcagagag caacagagta atactatagt ggaatatttg ttggaccatg 180
 aagcataaag atggaaaacc gattaatcag ccaaataaga accgggctgt gactttggca 240
 gtcactttaa ttgctctatg tggc 264

<210> 44753
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042134H1

<400> 44753

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 cctgatctac aagcttggag gcattgacaa gcgtgttatt gagagatttg agaaggaagc 180
 tgctgagatg aacaagaggt ctttcaagta tgccctgggtg cttgataagc ttaaggctga 240
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<210> 44754
 <211> 262

<212> DNA
 <213> Glycine max

<223> Clone ID: 701042137H1

<400> 44754

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 gacttcacat actgatccac ttagtggcag tgttgtcgct gtgttactac cgcataactc 120
 acttgttact ggaacctcca acagcgccat ggcttctgat gaccgtagcg gagcttcttc 180
 tctcgggtgct ctggttcttc aaccaagcct tccgggtggcg gccgggtgctg cggagcgtca 240
 tgacggagaa gctgccgagg ga 262

<210> 44755
 <211> 175
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042138H1

<400> 44755

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 tcgtttttct cttcaagctt cggtatggc gtctggatcc tcgggtcgcg gaaactctgc 120
 ctccaaaggc ttcgatttcg cttccgatga catcctctgc tcctacgacg actac 175

<210> 44756
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042140H1

<400> 44756

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 ctagaaattg tgtcttgttt atattgggtt catcaaccaa tcatgaaaaa ttgttgatca 180
 gggtagaga gatggaattt ggacatggca tcggataaac aagctgttta attggcttcc 240
 tctggcagct ttaattg 257

<210> 44757
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042142H1

<400> 44757

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 cgcgccgatg aaattgaatt cgccccatat ttttcaaagc acaagtgggg tttgttcgcg 120
 cgaaaaacca agcttctttg tcgcaagtgt tgcaaccata ttggatatgc ctacaacgat 180
 cgcacttcat cattttttcc ctctgtatca aacagaacag aaccatcacc acccaccgag 240
 gcatcaaatt c 251

<210> 44758
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042143H1

<400> 44758

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 actgcctcga acatcgcatc cagcccgaag gcatgatgcc ttctgactcc accttcggtg 180
 tagcccacga cgccttcaac acctttctca gcgaaaccgg atctggcaag cacgtcccc 240
 gtgctgtctt cgtcga 256

<210> 44759
 <211> 244
 <212> DNA
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<223> Clone ID: 701042144H1

<400> 44759

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 caaccaccca aaacgcatca cgcttcacat caactttttc taattcccaa atccgattac 180

tcgaagttca attcccatcac caagaagcag cgttgccaga aggggtgtgag aatctcgaca 240

tgtt 244

<210> 44760

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 701042146H1

<400> 44760

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gtgggttcatt actgtgctgc tgggtctaag ccttgagggt tcactgggaa ggaagagaac 180

atggataggg aagatatcaa gatgcttctg aagaagtggg gggacatata tgaagatgag 240

acactggact acaataa 257

<210> 44761

<211> 101

<212> DNA

<213> Glycine max

<223> Clone ID: 701042147H1

<400> 44761

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atgtatttg atttgtcatt aataaagaga gttgtgttag t 101

<210> 44762

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 701042148H1

<400> 44762

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cgcgtatcat cggccaagac ggaagcgttt gggctcagag caccaacttc cctcagttca 180

aacctgagga aataactgcc atcaataatg actttaatga gcctggatca cttgctccaa 240
ctggattgta tatcg 255

<210> 44763
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 701042150H1

<400> 44763

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atgtcactct tgtttgtag tttgtttttt tattctttat ttcaataagt actgtgcaag 180
taggttagag ttgggtagaa gggcatgttc atggtgttaa ttactatgtt atgtatgcac 240
gtgagtgtg ctatcgatgg c 261

<210> 44764
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 701042152H1

<400> 44764

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aatcacaggc tgaagcagca gcagcagcag caacaacaag ctcttatgca gcaagctctt 180
ctccaacaac agtctctccc ccaccctggc ctccttgctc ctcttcagat tgaaccatat 240
ccaagtggaa atttgcttcc 260

<210> 44765
<211> 256
<212> DNA
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<223> Clone ID: 701042154H1

<400> 44765

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ggaatctgag aactcactca tcgaagccct tcttggcatc caaggacgag gacgtttcttc 180
ttctcgtcag cagctcaatg ctgttgagcg tgctgtacac gtcctggagc ggtagggggg 240
tgtacctgat ccgaca 256

<210> 44766
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 701042155H1

<400> 44766

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ctactcaccg cgacacgttg aaggcggggg tggctgagtt catctccacc ttgatcttcg 180
tggtcgccgg ttcaggttcc ggcacgcct acaacaagct caccgacaac ggcgcccgcga 240
ctcccgccgg cctcatct 258

<210> 44767
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 701042156H1

<400> 44767

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cttctccac agacaacaac aaaccaccac atgggtggtg tggtggttg tctgagagaa 180
ctggctctgg tgtcccaaaa ttcaagtcca caccaccacc ttctctgcct ctctctcccc 240
ctcccatctt ccttct 257

<210> 44768
<211> 253

<212> DNA
<213> Glycine max

<223> Clone ID: 701042158H1

<400> 44768

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gactctggga agtcaactac cactgggtcat ttgatctaca agcttggagg tattgacaag 180
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gcctgggtgc ttg 253

<210> 44769
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 701042159H1

<400> 44769

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tcacaagttc aaacaccatg gcggcaaagg gttcttctct ggccctatga ttcccgttga 180
agccagaaga aaatcaaagg atggttgtgt tgaaactcaa gaaccactt cccccaaaat 240
ctcctgcatg ggacagat 258

<210> 44770
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 701042160H1

<400> 44770

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aggttgatct tcaagccgtt agttgatgaa tttcctgggt ttggagctgt tagctattca 180
ttaaggcaaa agaaaaagtt ggattttact ctaaaagtca ttggtggcga catatcagca 240

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256

<210> 44771
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 701042119H1

<400> 44771

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tttttggttt tcctagaaat taaattattc tgagaaatta actatattta acgagcgaga 180
gccatttcat tggcccatat tagttcttgt gcttaggaaa ctttttgggt agaaaaaaaa 240
cagtactaag agtttgac 258

<210> 44772
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 701042083H1

<400> 44772

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agggccttgt tgctgacttt ttctctgcag ggacagattc cacagcgggt gcaacagagt 180
gggcattggc agagctcatc aacaatccca ggggtgttgca aaaggctcgt gaggaggtct 240
acagtgttgt gggcaa 256

<210> 44773
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 701042085H1

<400> 44773

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gtcgacaaag tccgcctacc tccaaggcgg tgacgccacg gtcttcgatg aggaagatct 120
 ctacagccgc ctcaaattccc tagtgcgta ctcgagttcg tcgacatcca ggaggaggat 180
 gtgaaggacg aactgaagaa tctcaggcgc gagctacctc cgcgcgatgg aggaggtgaa 240
 gcggatccag tcggtg 256

<210> 44774
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042086H1

<400> 44774

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 agtgggtgctg ccgccggagg agctgggtggc cgctggcaac agaacgccgt cgccgaagac 180
 gaccgcggga gaagctgctg aaccgggttcg tggagagcta ggcgtcggcg gtgtctctgc 240
 aggttgggga acacgt 256

<210> 44775
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042088H1

<400> 44775

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 ggcagtcctt gattaatgca gatggcatta tagagaaatc atttttgccc ggaaagtact 180
 ccattgagat gtcttcatcc gtctacaaga attgggtttt cactgaccaa gcattaccag 240
 ctgatctcgt caagaga 257

<210> 44776
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042090H1

<400> 44776

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caactcaagg tcaagtcatt acctgaaaag ctgacgggtgg cctgggaatc caacaagccc 120
ttaactgtcc aagacgttca agtgggtccg cctcaagccg gcgaggtccg tgtccaaatc 180
ctattcaccg ctctctgcca caccgatgct tacacttagg gcggccaaga tccgaagtct 240
cttccttg 248

<210> 44777

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 701042092H1

<400> 44777

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tgggttggcc aatctgtctc tgaatgatta ttccgtttgg agcaacagct acagctccaa 180
gaggcctgat cagaggagga agtttcgtgt caagggcagt gatttctaca actcatcaaa 240
gcctctttat gctgat 256

<210> 44778

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 701042093H1

<400> 44778

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acggtagatc ccgagatcca tgacctcatc gataaggaga atcgccgtca atgccgcgga 180
atcgagctca tcgcctccga ggacttcacc tccttcgccg tcatcgaagc cctcggcagc 240
gctctgacga gcaaat 256

<210> 44779
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042094H1

<400> 44779

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 agattggttg ccggttttgg ttgtatgcaa agataatgtt tcaccaatat caccagcaa 180
 caaatcgttg tatctggaac tggaagacac attcttgcca atcatctcca cattgcctat 240
 gtcagatgct caagaattgt 260

<210> 44780
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042101H1

<400> 44780

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 ctgtcggcgg actgcggtct aagtacaacg tgaggtcgat ccagtagcgg aaggaggacg 180
 aggtgcaggt gatgcgagga acatacaagg gtcgcgaggg gaaggtgact caggtctacc 240
 gtcgaaagtg ggtgattcac attgagcg 268

<210> 44781
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042102H1

<400> 44781

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 taagtgaggt gccaatctgg tgaagatagc tcttggtact ttggatgact cttttagcgc 120

tgccctctctt aaggcttatt tcgcagagtt ccacgcaact ctgatttccg tgttcgctgg 180
 tgttgatca gccatcgctt acaacgagct tacaaaagat gcagccttgg atccaacggg 240
 gctgggtggca gtagctgtgg cacatg 266

<210> 44782
 <211> 265
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042104H1
 <400> 44782

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 tgcactcaag gacaagctcc agctcctcgc tgggcaacat gtggacatcc tggagacact 180
 gccacccaaa gtcaggcaac gcgtggaaat tctcagagat ctgcagagtc aacatgatga 240
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<210> 44783
 <211> 263
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042105H1
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 ggaataaccc ttgacaggtt cctgaaagat atgcgaggag tcaagaagag ttggagaaa 180
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 atggaaacaa agaggagttg ttg 263

<210> 44784
 <211> 263
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701042106H1

<400> 44784

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 gatgattaac ttcgaagaaa ccgagttgag actcggcctc cctggcaacg actcagcact 180
 caagggaagt gctgccaaga gaggcttctc tgaaactgct tctgttgatt tgaagcttaa 240
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<210> 44785

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 701042107H1

<400> 44785

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 tgaagatggg tcaaatacatt gtcttaaaag gtaatgctgg agagattaga acaaattgca 180
 ggggtggtcaa tagttagcaa tagtggtgaa ggactcaagt gcctgcagca aagaagattt 240
 acaaattcta agtcatgttt ctt 263

<210> 44786

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 701042109H1

<400> 44786

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 cttgcctcca tccctcaatc ttattctcct tttccctctc tcacaacact cacactctca 180
 gttctaaaat tattccccag aaccttccgt tttcaccac cttcagtgcc cctttcaccc 240
 tttgt 245

<210> 44787
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042110H1

<400> 44787

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 tctaagagat taatatcatc ctacccaacc acaagcttag attgacacaa gatggaagtg 180
 gtggtacaaa gtcctagtag tccaaccatg gataatttcg attttggtgg caacatgggt 240
 tcgatctatc aaagtgtcct 260

<210> 44788
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042111H1

<400> 44788

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 aacagaagca cctgctgaag tttcaggcaa gaaaacaaa aagaagaaac aaaaagctgc 180
 tgatgctgaa gatgacgtgg ctatagatac aaatggtgat gctgtggagg atcataaatc 240
 agagaggaag aagaaaaaga a 261

<210> 44789
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042112H1

<400> 44789

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 taccaagttg ctgttgaata tcgagtttgc tctttagaga tctgtttccc tctagacaac 180

ccaatattgt taactgaata tttcagacta aaacaacgag ttgaaaaaat attttcatgt 60
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<210> 44793
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042118H1

<400> 44793

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 ttcgaggagc gtttcgatga cggatgggga aatcggtggg ttaaatacaga ttggaaaaaa 180
 gatgagaacc tggctgggga gtggaaccac acctctggcc aatggaatgg agacgctaac 240
 gacaaaggta ttcacaccag t 261

<210> 44794
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042080H1

<400> 44794

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 attgaaagta ggtaaactgt ttctgggggt accagcagat gaagctgcag ctccggccgg 180
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 aaattatgga ggtctcatgt 260

<210> 44795
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042044H1

<400> 44795

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 ctattatcat caccacctcc acaacgtaag ctaggtaggg aaagagcttc atcattttcc 180
 atttcctctg ctaccctttt aaaaggtcgc agaggaagtg gaattcaagt cgtgtcttgt 240
 gatgacacgt catcacaagg gga 263

<210> 44796
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042045H1

<400> 44796

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 tttctgatag gaaatagaaa gcccctaaac attaccttag aataagggat ttctcccggt 120
 actgaaggaa agacccccat ttcatagcgc ctggggaacg caagtttgat cgaggattgg 180
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<210> 44797
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042047H1

<400> 44797

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 ggcgattgac cactccggcg cggtccggag caatgcgggt ggtctggccg agccggagaa 120
 gaagaggagc aagaagagga ccgagtctgg tggagcgagt cagagcgagg taggtgagtc 180
 ggggagaacg agttccaatt gcgactcgct cagcttcagg ctggggaacc tccacaagta 240
 cgtgcagggc gaacacgtcg c 261

<210> 44798
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<212> DNA
 <213> Glycine max

<223> Clone ID: 701042049H1

<400> 44798

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 ctaatccaac tcgagcaatt acagctatca ctagcatgct gtgggaggat ttagtcaaga 120
 atcccaccgg agacttggtt cacaagagca agctccaatg tgctgagaaa atgattagag 180
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 tggtagcatt tacaaagata ttaaag 266

<210> 44799
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042050H1

<400> 44799

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 gttcgtgcag atagatagat agatggctcg gagctccaca agaatgaaat gggctctccat 120
 cttcacactt ctattcctct cccactcgcc cctcacaacc ttcgcagaag atgggctagt 180
 ggcgaatgga gatatttgagg ttagcccatc aagtgggttc cctaacgagg cgattgtgga 240
 gggccccagc gaggtcccaa actggaa 267

<210> 44800
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042051H1

<400> 44800

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 cactaaacca ccatcttcct cctcctcttt cgtcaccctt cgccctttgc ggaccacaca 120
 gagcatccct gtgaggaact cgcggcgctc catcgccgtg cgcgccgccg ccacggaggc 180
 tcctgtggct actattacgg cggcaaggga gtgcaggtg aagtcggtga aggcccgga 240

gatcgtggac agccgcggga a

261

<210> 44801
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 701042052H1

<400> 44801

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ttgtcgaaaa acgctcggga cagtaacctc gtgtactcgc cgctgtcgtt gcacgttggt 120
ctgagcatca tcgcttctgg ctccaagggc cccacactcg atcagcttct ctccttcctc 180
cgatccaagt ccaccgacca tctcaactcc ttcgctctc agctcgtcgc cgctcgtgctc 240
tccgacgccg ctcccgcggg cgg 263

<210> 44802
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 701042053H1

<400> 44802

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cgaaactgtt ggttatgact tcaaagcggg gaattctgaac gaaatgggtc agaggggtatt 120
ggcatgtttc ctcccaactg agttttctgt tgcagttcat gtggatgggtg caagcaagtc 180
gtttgagcag acctgctttc tggatgttaa gggatactgt cgtgaagaga ggagccacga 240
agggcttgga atgggtg 257

<210> 44803
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 701042054H1

<400> 44803

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aagatgatca attgacagag tttctaagag aggttgcaat aatgaaacga gtacgtcatc 120
 caaatgtggg gttgttcatt ggtgcagtta ctaaactgcc ccatctatct atagtaacag 180
 aatatttgcc tagtttattt cgctaatac ataagccagc atctggtgag attctagatc 240
 caaggagaag attacggat 259

<210> 44804
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<223> Clone ID: 701042055H1

<400> 44804

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 tacagtacca agaaagttca cgctattctt acctacaata acacaaacca cttgataaag 180
 aaggatgttc cttgtgagac tgaccaactt actcatgttt acacatttat cctccgtccg 240
 gatgcaacct acagcatc 258

<210> 44805
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042056H1

<400> 44805

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 agtagcaagg gttagttgag gccttggtgt tggaaacgta cgggtgtcgtt ttggagttgg 180
 gaaaacaaat aattctgaga gatggcaacc acgaaccctt ttgatttggt gggtgacgac 240
 gctgaggacc cttctcagc 259

<210> 44806
 <211> 260
 <212> DNA
 <213> Glycine max

002220.E.F.F.E.60

<223> Clone ID: 701042058H1

<400> 44806

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aaagaaaggc aagggatgac gctgggtctg atcaatgcga atcctgtggt tcacgccaag 120
aaagagcgaa tcgctcgttc tgatgaccc cagcccgatg acgccgttga tcctctcgac 180
atctatgatt tcgtgagggg tattcgggat cccgaacatc cttattccct ggaacagctc 240
agtgttctct ccgaggaatc 260

<210> 44807

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 701042059H1

<400> 44807

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ttataatcct cctccctttt ccaaaacttt tattaatcac cctttgaacc aaaacccttc 120
tcctcaaaac ctaattctac cactcaaagc tactattaaa ccgcggttgc ttagagcagt 180
tcactcccag aagatcactg ctaactctc gcttcataac tccgatacta ggactcgttt 240
tcagcactgt ttcacaaaga 260

<210> 44808

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 701042061H1

<400> 44808

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aaccaaatta atcatcaaaa caatttggcg gctagaaagg agagtgaat gtgatgaaat 120
cctaggatag actcgtaaaa gatttgggaa tagaatgcag ggaattagt ttttttgagt 180
tgtaccatgt acacattaac aacagtatat agatgaaact ttttccttca agtccctttt 240
tgtgtatctg tgcgttgatg t 261

<210> 44809
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042063H1

<400> 44809

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 tcaggcgcg tgaacctcac cgcgatcctc gaaaaggggtg gccagtacac caccctaatac 180
 aaactcctaa aggacacaca acaactcact cagatcgagt cccagctcaa atcaaactca 240
 caaggcttca ctctcttcgc acccactga 269

<210> 44810
 <211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042064H1

<400> 44810

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 ttgagaaatg tcttaagtta tacagtgaag agatggcgaa attagttcta cctcttcctg 180
 agaaatctct gcaagggggc catgataggt ctagagatga agtcacaaaa gtctttgatc 240
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<210> 44811
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042066H1

<400> 44811

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gggcccacgg tccctcccca tcatcgcca cctccatctc atctccgcc tgcctcacca 180
 gtctttccac gcgctctcca cgctttacgg ccccttcgtg caagtcttcc tcggctccgt 240
 ccccgccgtg gtcgtttcgt gcccgga 267

<210> 44812
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042068H1

<400> 44812

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 aatcggcaac cttcaccaac tcgacgcttc gaagctcaat ctccaactag ggcagctctc 180
 aaagacctac ggtccccttt tctccctccg aatcggcttc aagccagccc tcgtcgtttc 240
 ctctcaaaa ctgcgcaaag a 261

<210> 44813
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042069H1

<400> 44813

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 ccgcagcctc gcggatctcg acccgaatat gctcgagatc cgagccgggg aagccgtagc 180
 ggtggattcc gacttcgaac tccaccgcat gctcgccctg tgcggatgcg tcgacaaggt 240
 cttggacact g 251

<210> 44814
 <211> 158
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042070H1

<400> 44814

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 tgacctttca tcttattttg taatttagat tatttaattt actaaatata ttaattgtgg 120
 aagcttaatg ttgagttcgt actgcatgtc tgattttc 158

<210> 44815

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 701042072H1

<400> 44815

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 gctgcccttc ggggccttct tgagcttgct cgcaatactc aagatggcaa ggatggcaat 180
 gaggaagaca gtgagaagat gaagcaactt cttcaagaac gaataaaca tatcagttta 240
 atgtcagctg agga 254

<210> 44816

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 701042073H1

<400> 44816

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 tcgtcccaat cgtcaacatc ctccctcttc tcttccattt tatcatgggg aaaatctatc 180
 ggggtttttg ttgggagtag aggaaaccgg agagggtcc tctgcatgt ccattcaagc 240
 ctccagccaa caggatct 258

<210> 44817

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 701042077H1

<400> 44817

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 taacgttaac aaaaagagag agagagagag agaattgtat gtatgggttt gggttcacat 180
 tcaaggacat gggaaacatg gggggaccga agccaacata gttttgttgg ttatatatat 240
 acttgatgc ctattga 257

<210> 44818

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 701042079H1

<400> 44818

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 aatctctttc atgtgagggg agaccacaaa caaacacaaa accacacact ctctaactc 120
 gaggttattt ttttctttcc ccaaagaggc atgagttgca acgggtgccg cgtccttcga 180
 aagggttgca gcgagtcttg tattctgcgg ccgtgtctac agtggatcga tacgcacgaa 240
 gcacaaggcc atgccactgt ctt 263

<210> 44819

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 701042043H1

<400> 44819

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 ctgtggaggg agtagaagca aaactgtggc aggtacctga aacattgcct gaagaagtcc 180
 ttgctaagtt gggagcacct ccaaagagtg atgttccaat tattactccc aatgagcttc 240
 ctgaggctga tggctttttg 260

<210> 44820
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042009H1

<400> 44820

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 ggaagaggag gttgctgatg attctcctaa gaacgaagtt gacagtggaa aatctgtgga 180
 tgatctgaaa gattcggata acgataaaaag cgatggaaac gccatgccct catcccatca 240
 ggaggaagca gctgttaaga aaaagtat. 268

<210> 44821
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042010H1

<400> 44821

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 gccaagacgg agctacgttc aagtctctct tcgctctctc ttctaattcc ccattccttc 180
 tctctctggg cgacgcgctc aacctcttcc aagacgcaa cagactcatc aagcaatccg 240
 acaaccattc ccagttcaca gacat 265

<210> 44822
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042012H1

<400> 44822

aagaatttga gtacatgatg acagccaaaa taggagaaag ggacactaaa gaggagctca 60
 tgaaagcttt ccatattatt gatcatgata aaaatggaaa gatatccgca ttagacatca 120

agcgcattgc aaaagagcta ggtcaaaatt tcactgacag agagattcag gagatgggtg 180
aggaagcaga ccaagataat gatcgagagg ttagtgcgga ggagttcatc acgatgatga 240
acagaactcg cttccatcac tagtctt 267

<210> 44823
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 701042013H1

<400> 44823

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gaagtgcac aatggatgag atcaagaggg cttataggtc aatggctctt cagtaccacc 180
ctgatgtgtg ccatgatcct tccatgaaag aggaatcaac gaggatgttt gttcagctaa 240
acacagctta caagaccttg tccaat 266

<210> 44824
<211> 282
<212> DNA
<213> Glycine max

<223> Clone ID: 701042014H1

<400> 44824

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tctgcacctg aatcttccca tgtttatgat tctgagaccc attggacatc atggctcgtg 180
cctatgtttg tggttgctaa tattgctgtc tttgttatta ccatgtacat caacaattgt 240
cccaggaaca accttcgttt ccaaggtcgc tgcgtggcca gg 282

<210> 44825
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701042018H1

<400> 44825

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 ccaatcgacg acgcgtgcca cgacatgagc tccctggaag agctcgcgaa ccgcggcgcg 180
 tggcgttcca tcattgacaa ggtctcacgt gctcgcgccc tctctctcct ccacaagccc 240
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<210> 44826

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 701042020H1

<400> 44826

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 accagcatca tcaactcgctt catgtatgat aaattcgata acacctatca ggctacaatt 180
 ggtattgatt ttctatcaaa aactatgtat cttgaagatc gaactgttcg actgcagttg 240
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<210> 44827

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 701042021H1

<400> 44827

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 taaggagcgt gctgtctcag gattccttcc ggtgcttcca tatcttctctg cttcagttga 180
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 ttccagtggg tatggaggtt caa 263

<210> 44828
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042022H1

<400> 44828

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 agtggaaaag ctatttgagg tcgatacctga cggtagagtt atggcggttg ccgacatgat 180
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<210> 44829
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 <212> DNA
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<223> Clone ID: 701042024H1

<400> 44829

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 aaaaaaaca aaagttaaaa aaaaaggta gttattcttc ttcaaccacg ccatggaggg 240
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<210> 44830
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042025H1

<400> 44830

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 gatggttggg gagaggccac acccaatgag tacaactgca tccacaaggc cgaaacaccc 180

tgcatggatt cacttaaaaa ggggtgctcct gaacgggtgga gattgggtcag ggctcatggt 240
actgctgtag gacttccaac agaag 265

<210> 44831
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 701042026H1

<400> 44831

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ggattagta tgtgttatgt atgtcattgt gggagagggtg aaatggagca agacatcaac 180
atcatcatca tcaatcaatt gtaaagggggg tgtaccttac atagtagcaa cttatgtcat 240
tcttggtgac ctgaagaact atag 264

<210> 44832
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 701042028H1

<400> 44832

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gagaagcacc agttatcctc cacagcctca gcaaaagttg cgtctttcga tcagaaaatt 180
gggcttagcg agcaaataag tgctggtgct acagtagtgg gtgatagagt tcgagaagtg 240
gacaaaaagt ttcaggtttc agag 264

<210> 44833
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<212> DNA
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<223> Clone ID: 701042031H1

<400> 44833

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<223> Clone ID: 701042032H1

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<223> Clone ID: 701042033H1

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ttcgtttatg	ctgctgccac	tgctaatact	caaatacaaag	ttactaacaa	ccttgccggac	180
aagttagtag	ttgcgattca	cgaaaacaga	actgctcaca	aggtgtcagc	cttataggac	240
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<223> Clone ID: 701042034H1

<210> 44839
 <211> 262
 <212> DNA
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<223> Clone ID: 701042038H1

<400> 44839

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 ggcattttcc ctcattgagcc tctctctgga ccaagaagga gggtttacaac catctcgcag 180
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<210> 44840
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<223> Clone ID: 701042039H1

<400> 44840

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 ataagaaggc agactatcct gtgaagggtg ctggagttga aatatcacca gaccctgtgg 180
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<210> 44841
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042040H1

<400> 44841

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 cggcggcgaa gtcggcgcgg cgagttccct ggccccgaag atcggtcccc tcggtctctc 180

ccccaagaag atcggataag acatcgccaa agataccgcc aaggactgga aggccccgc 240
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<210> 44842
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 701042041H1

<400> 44842

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ctccccctgg tttccgact actggctccg cgagtgttc caagatcccc agtaccaata 180
cgacgacgtt ttcgacttcg actttgacct agatctccaa gataaagatg aaaatgaagg 240
gaaggaaggg aaagaggtgg 260

<210> 44843
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 701042042H1

<400> 44843

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atcacttccc acaagatcgt ctttttttcc aagacctatt gcccgactg tagaagggca 180
aaagctgttt tcaaagagtt gaaccaagtt ccacatgttg ttgagctcga cgagagagag 240
gatggttcaa agattc 256

<210> 44844
<211> 216
<212> DNA
<213> Glycine max

<223> Clone ID: 701042008H1

<400> 44844

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ccagaactat acaacaattt aaaggagaaa aattcttact tgtacgagca tattgtgatt 180
atgctaacat gctaaataga atacaatctt tcttgt 216

<210> 44845
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 701041975H1

<400> 44845

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cccaaagccc aaggacaccc tcgtcaaggc ccacgctcag gtccacctct ttctccaaca 120
atccctccac ctctacagc ggctccaccg gttaccgcct ctctctgac acctccatct 180
caagcttctc ctccatcacc tccctccgcg acacgctccc cgaaaacccc cacatctacg 240
acttctccga aatctgtgcc gccac 265

<210> 44846
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 701041976H1

<400> 44846

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cagtacggcg aaatcgttga aacgaagatt atcaacgacg gtgagactgg cagatccagg 180
ggtttttgat ttgtgacctt cgcctcggag cagtccatga aagatgcatg cggagcgatg 240
aatggacaga acttgacgg c 261

<210> 44847
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 701041977H1
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 tccagagaaa gacctctttt cctctaccga gtttgccctc tggttttcgg ttttacccca 180
 ccgacgagga gctcctcggt cagtatctat gccgcaaggt cgctggccac catttctctc 240
 ttccaatcat tgctgagatt gatttgta 268

<210> 44848
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041978H1
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 caagcgatac aaagaagccg aggggataat cgggaacagc ttcgaggagc tcgaaccggg 180
 agcctggaac gagctgcaga acgaagaaca agggagtgtc ccggtttacg cgggtgggacc 240
 gcttgtaag 249

<210> 44849
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 <212> DNA
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<223> Clone ID: 701041979H1
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<211> 158
<212> DNA
<213> Glycine max

<223> Clone ID: 701041980H1

<400> 44850

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ctcttaaggc ttatttcgca gagttccacg caactctg 158

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<223> Clone ID: 701041981H1

<400> 44851

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tacaaggagg caccaccagc acccttggtt gagccagggg agttaaagtc atggtctttt 180

tacagagctg ggatcgaga gtttgtggcc acattcttgt tcctctacat cactgtcttg 240

actgtcatgg gtgtcaacag ggcacccaac aagtg 275

<210> 44852
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 701041982H1

<400> 44852

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ggcaaagaga ttggatggat ctatggctct gtgacagaag atatcttgac tgggttcaag 180

atgcatgctc gtggttggat ttccatctat tgcatgccac ctgcccagc atttaagggt 240

tctgctccta tcaatcttct tgatcgt 267

<210> 44853
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041983H1

<400> 44853

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 gccggtgcat acatcttctc cgctcgctagt ctcaaccatg gaatgaatcg ttacgtcttc 180
 gttgtctatc gcaatgccat cgctgcattg gcccttgctc cttttgcatt gattttcgag 240
 aggaaaatta ggccaaagat aacactcc 268

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 <212> DNA
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<223> Clone ID: 701041984H1

<400> 44854

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<210> 44855
 <211> 265
 <212> DNA
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<223> Clone ID: 701041985H1

<400> 44855

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 cacacacaca cacaaactct gctttaatat tattcacgcc tgccttgctc gtggtgctgg 180
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 actgtgttag ttaaaaaaca ttcac 265

<210> 44856
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<223> Clone ID: 701041986H1

<400> 44856

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 acttccgcat caccaacagc gtgcacatga ctgagctcaa agaaaagttc aagcgcatgt 180
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 atccgagtgt ttgtgcatat a 261

<210> 44857
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 <212> DNA
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<223> Clone ID: 701041988H1

<400> 44857

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 <212> DNA
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<223> Clone ID: 701041990H1

<400> 44858

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<210> 44859
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<210> 44860
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041992H1
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<210> 44861
 <211> 268
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041993H1

<400> 44861

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<210> 44862

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 701041994H1

<400> 44862

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 ccttcggtca agtgaacact ccttctctac caaaagagag gatgaggaaa gggagcaact 180
 cgcaaaggac atttcacagg attggagttc tgtctttgaa cgtagcatta acactctctt 240
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<210> 44863

<211> 278

<212> DNA

<213> Glycine max

<223> Clone ID: 701041996H1

<400> 44863

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 cggctccgcc tccggcaccg ccggctacgt caacatcacc aacctcaagg ccggcaaggt 240
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<210> 44864
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042001H1

<400> 44864

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<210> 44865
 <211> 286
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042003H1

<400> 44865

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 caccctctga atctcagcag aaagtctcgt tggaattgta ctacgaaagc ttatgcccct 180
 acagcgccaa ctctcatcgt aatcacctcc caaaaatctt caccctcagat cttgccccaa 240
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<210> 44866
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701042004H1

<400> 44866

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 tactattggt gagcgacttt accaagtctc acatttattt atgtatctat ttttccatca 180

aatcaaatgc agtaatgacg gggagttcct tcaatgaata tgatgatata cctatatcat 240
gcttgtgcac gtgatgtagg agacaa 266

<210> 44867
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 701042005H1

<400> 44867

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caaatccatg tttcctctgg gaaactagtc cctggactat catggaatta ctatttggtg 120
acatgtccca agcttgagag gattataagg aagcatcttg aggatgtctt cgagaaggac 180
agtggagtag ctcttgatc acttcgactc ttcttccatg actgctttcc taatggatgc 240
gatgcgtcta tattgttgaa tggagac 267

<210> 44868
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 701042006H1

<400> 44868

cgttgcttga aaagaaggaa acaagaaaaa aattagtgtc attaagttat taattaagta 60
tggtcttagt agttaatttg cgtgtgtaaa ttaatgttac ttaatcgggc atgtatccaa 120
gagggggaaa aattgaagat atgtgttggg gatttattga ttattacgaa agataatcat 180
aatataggta ggagggaggg gatatttgaa ttaatgagta taatggtaat taattatgat 240
ttggaaaaat aaatatatac tatggg 266

<210> 44869
<211> 139
<212> DNA
<213> Glycine max

<223> Clone ID: 701042007H1

<400> 44869

gctagtttca tctgggttat gcttatgtct ggcacagaac aggtgaccat gggaggatta 60
 ggactcaatt tgactccaat tactacattt gctatcatta ctgtgattgc tacggtgcta 120
 atatggtggt tttggaatc 139

<210> 44870
 <211> 252
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041974H1
 <400> 44870

ctcgagccgc gcaacctcaa ctttgttctg tttccctgat gtcccagggc cacatgatcc 60
 ccatgatgga catagcaaaa attctggacc agaacgggtg tactgtcaca gtggtcacaa 120
 cccacaaaa cgcatacgc ttcacatcaa ctttttctac ttcccaaate cgattactcg 180
 aagttcaatt cccataccaa gaagcagggt tgacagaagg gtgtgagaat ctcgacatgt 240
 taccttcact tg 252

<210> 44871
 <211> 265
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041942H1
 <400> 44871

cttggaagc ctctgtaaac accctgaaga atatctttct tatgatggtc attgcagtga 60
 ttcaacagtg aaatcactgt caagtcact tgtttgtact gttggggaga tatcaacatg 120
 gccaaagtgcc agtactgtca ttccaggcca ggttacatat accgtggata tacgagcgat 180
 agatgacctt ggacgtgaag ctgttatcta tgatttatcg aaacaaattt accaaatatg 240
 tgacaagcgt tcagtttcct gcatt 265

<210> 44872
 <211> 263
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041943H1

<400> 44872

ggtttgtaca gcgtttgctt tgggggcgaa aaattcagat ttttccgatt tgcaccattt 60
 tcaacagaga acaacaccat ttgtggattg ctgtaaactg cactttttgg ctgttagcta 120
 atggacaagg ggggtgccacc tagcctcttc gtcaatgacg gttctttcat ggagagggttc 180
 aagcaacttc agcaagagca ggagaaaggg aagaatgtca aattggagga ttctaaacca 240
 attaaggtta attcagggtc ttt 263

<210> 44873

<211> 153

<212> DNA

<213> Glycine max

<223> Clone ID: 701041945H1

<400> 44873

gcagtttctgt gctttccgc cgccgtaca ctgccaccgt cttccccgcc gtctccgcca 60
 gagatggcag aagaggattc aaagcctctg aactacatct ccgagggtcat tctcaagaag 120
 aggaagaaca ccgaagcatg ggctttaagg aaa 153

<210> 44874

<211> 274

<212> DNA

<213> Glycine max

<223> Clone ID: 701041947H1

<400> 44874

cgggggatca acctttgtac aacgaagaca aaactgttat tgtcactgta aatggggaga 60
 tataaatca caagcaattg aggcagaaac tgagttccca tcaatttcga actggtagtg 120
 attgtgaagt gattgcccatt ctttatgaag aacatggaga agaatttggt aatatgctgg 180
 atgggatgtt tgcttttatt cttcttgata ctagggataa aagttttatt gctgctcgtg 240
 atgctattgg cattaccct ctatacttg gctg 274

<210> 44875

<211> 278

<212> DNA

<213> Glycine max

<223> Clone ID: 701041948H1

<400> 44875

cacttttagg aggtccctac atcttacgta catttccgc tgtacagatt catccagttc 60
ttagtggttat tggcttacta gttcatgggg gtgaagctat tataagttac aaagcttttc 120
ccctaaagaa ggaagtgaag aaattgatac accttgtttt ccatgccatc gcattaatac 180
ttggaatagt tgggaatttat actgccttca agtttcacaa tgaaagtggg attgccaatc 240
tctacagctt gcattcatgg cttggaattg gggttatt 278

<210> 44876

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 701041949H1

<400> 44876

gccagctagg gcttgagatc tcatatatca tggctacctc catgggtgaag cttatgcttt 60
tctctgctct catactcttg tccttgcaag cagttgtgtc tgtaacacca ctgcattttc 120
aacatccact agacccttta accaaacaag agataagtct tgtccaaacc atagtccaaa 180
ataagtaccc aagctcaagt aacagggtga gcttccacta cattggactc ttcgaacctg 240
aaaaggatgc catcctcaaa t 261

<210> 44877

<211> 193

<212> DNA

<213> Glycine max

<223> Clone ID: 701041950H1

<400> 44877

ttcattctca tctttctctc ttctctctcc acccaaacc taactccga cctgttccc 60
ctctcgtatc cgtcatgaaa ggaggaaagt ccaagaccga atctaagaga gccgatccca 120
aacttgctgt gaataagaag ggagccgcca ccaaggctag gaaaccgccc ggcaagggga 180
aggcagcgaa aga 193

<210> 44878
 <211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041951H1

<400> 44878

gaaagaaagg aaacggaata attcgatacc cctctcgtct cgtaactaac catggcagcg 60
 ctccgatgga agagcttcga ggagaatgag gatcgcccag ccaagcctcg tcattttggc 120
 gtcaccgaga ttcaaagccc ccaactgcact ctcttctccc acaaccttct tcaggatatt 180
 tttgaatcta tgggagacta tgtagatggg ttaaagtttt ctggagggtc tcacagcatg 240
 atgccaaagg ctactatcaa gcaaatacatt ga 272

<210> 44879
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041952H1

<400> 44879

taataacaag ctagctatta gttcgatttt gtagtaagtg aggtgccaat atgggtgaaga 60
 tagctcttgg tactttggat gactctttta gcgctgcctc tcttaaggct tatttcgcag 120
 agttccacgc aactctgatt ttcgtgttcg ctggtgttgg atcagccatc gcttacaacg 180
 agcttacaaa agatgcagcc ttggatccaa cggggctggg ggcagtagct gtggcacatg 240
 catttgcaact gtttgta 257

<210> 44880
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041955H1

<400> 44880

gaaagagact gggcaaaaga tgaaacatca ctgaagtcag gttttaggca tctagagcac 60
 atgccattcc ctttctgggt ggcccttttt gttgaaggaa ctcgtttcac gcagacaaag 120
 cttttacaag ctcaagagtt tgctgcttca aaagggctgc ctatacctag aaatgttttg 180

002250"CTTFS00

attcctcgta ctaaggggtt tgccacagca gtacaaagcc ttcggccatt cgttccagcc 240

atztatgatt gcacatatgc a 261

<210> 44881

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 701041956H1

<400> 44881

gtttgagaga aaggttgagc tatagcctaa aggctgagac acataaatag tttctacttt 60

ctattcatag atagatggct ggcacaatta tgagacctca gattgtgcta tttggctcct 120

ccataattca aatgagcttc gacaatgggtg gttgggggtgc tattctagct aacttgtacg 180

ctaggaaggc ggacatcatc ttaagaggat actctgggtg gaattcaagg cgggcttttg 240

agggttttga tgaaattttc ccc 263

<210> 44882

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 701041957H1

<400> 44882

ctctctttct ctctccttca acgcatccca accctgtggc gctataacct cctagatcta 60

ctctctaacc gctatacagg ctggtactaa gagctgtggt tagtcataga tggegtcttc 120

agcttcacgg gcaatgtcaa aggggtgtggt ggtatctgtg cctgctctgg ttctatctgc 180

tttagtggct actgttttcc tgttcttctt tttgtcctct ctttcactct gctcctgccc 240

tactccttca gaaatctctg 260

<210> 44883

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 701041958H1

<400> 44883

aagaaagtca tctagaacag ttgtaattcg taatatccac tacatcactc caaaaaggag 60
 aaataatgag gggggagtct ctgatgagtc actagaagat gatgatggca tccgatgaaga 120
 aaccatcaaa caaaagggtg gtgttgcaact tgagtctttg caaaagggtcc ataaagttga 180
 aaaacgtgct aagggaaaaa aagcagcagc ctggcacaat gtaactaaat caagtgatgc 240
 gactgaggaa gatctcactt ataa 264

<210> 44884
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041959H1

<400> 44884

aaagaaaaga ccatcaaagt ttcacttcag ccttatccgg tttagggttt cggtttttga 60
 ccttaccttt gacgtatcga aaccttaagt ttcggatcag gtctgagcaa tctggttggt 120
 agaacctttg gtcttagaga gtcaagtttt atgtctgaat tagacgatca aattcctact 180
 gccttcgatc cttttgctga tgcaaatgct gatgactcgg gtgctgggtc aaaggagtat 240
 gtgcatattc ggttacagca gcgaa 265

<210> 44885
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041961H1

<400> 44885

gttggtgctg ctcatcctcc gtaacctccg agctctgcac cgaagaacga agccatgggg 60
 aagacacatg gaatgggatc tgctcgcaag ctcaagtccc accgcaggag gcaaagggtg 120
 gctgacaagt catacaagaa atcacctgct tggaaatgaa tggaagaaac cttttgctgg 180
 ttcattccat gccaaaggaa ttgtccttga aaagataggt attgaggcta agcagcccaa 240
 ctctgccatt cgtaagtgtg ccagggttca a 271

<210> 44886
 <211> 271

002220-ETTES60

<212> DNA
<213> Glycine max

<223> Clone ID: 701041962H1

<400> 44886

ctcggtgaca gtgggggtggg gaagacatct ttgatgaacc aatatgtgaa taagaagttt 60
agtaatcagt acaaggcaac cattggagcg gatttttttaa ccaaagaagt gcaattcgaa 120
gataggcttt tcaccttaca gatttgggat acagctggcc aagaaagatt ccaaagcctt 180
ggagttgctt tctatcgtgg tgctgattgt tgtgttcttg tatatgatgt taattcgatg 240
aatcatttg .acaaccttaa taactggagg g 271

<210> 44887
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 701041963H1

<400> 44887

gcttggtggt cgttatccca cacatgcttg atgatgaggt ttcaatcaaa acacgtacat 60
gtgctacatt catgtagttg agcatatata ccacaggatt cttgtaataa taggaggggtt 120
tactattggt gagcgacttt accaagtctc acatttattt atgtatctat ttttccatca 180
aatcaaatgc agtaatgacg gggagttcct tcaatgaata tgatgatata cctatatcat 240
gcttgtgcac gtgatgtagg agacaacatg tg 272

<210> 44888
<211> 254
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 701041964H1

<400> 44888

ggatacttca gcaactgattt taattatgcc ttgcattttg gtacatggaa atcatttggt 60
gacttatcta tgattacatg agtttgattt gcataaatat gggttaccta tgataagtga 120
tccagtgttt agcgggggacg tgatcctcgt ctcattgtact tgagtcgtga tggatatatt 180

gatcaatttn tgccccttgt cttgataggc cagggacaaa ttcttgtggc acttgttttg 240

cttcctcttt aatt 254

<210> 44889

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 701041965H1

<400> 44889

gtgaagtcct tcttacatag tatagacatt ctcaagccat gatttgtaga cttttcacca 60

tctacttcac tttcttctta tgtttgcctt ttaccttctt cgttccttat gttcatagca 120

ataaccagct tgataccaat ttctatgatg gatcatgccc caatttggcc acgattgtca 180

gatatggtgc ttggtcagcc attaaaaatg acaacagaat ggctgcgtcc ctccttcggt 240

tgcactttca cgattgcata gtaaattggtt gtgat 275

<210> 44890

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 701041966H1

<400> 44890

gcaaacgata caaactcttt tttcatttgc agcatcaaaa tgagtggtag caacgatcgt 60

cagcggcagc tggagctcta ggtttttgaa ggtggctagt gcagctgccg ctacagccgc 120

cgttgccggc ggtttatatg ccattctttc atcctcaacc tctgctagct ctgagatgga 180

agtgccgttt ggcagcgac ggcgtgagag caaagaacgt gacgatggtg gtcgccgggc 240

tcacctcgc gagggtgcaa caaggtcagt 270

<210> 44891

<211> 188

<212> DNA

<213> Glycine max

<223> Clone ID: 701041968H1

<400> 44891

cgaccacacc accgttatgg acgaggacga gcaactcgaa cgattcgact cggagttcgc 60
 ctccacgagt tccatttcct ccaccctcag caccgactat ttccgcaacc tcaccagctc 120
 cggcgacatt tcctccatca gcagctgctc cggcgagatt cctcccgctc cggctcctcg 180
 gcctccgt 188

<210> 44892
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041969H1

<400> 44892

ctcaggtggc taaactacct ccgccctaac atcagacacg gtgggtttctc cgaagaagaa 60
 gacaacatca tttgcagcct ctacgttagc attggaagca ggtggtcggt cattgcagca 120
 caattgccgg gaagaactga taatgacata aagaactatt ggaacacgag gctgaagaag 180
 aagcttctag ggaaacaccg taaggaacta caggcacgca acaaaggaaa cgggtggtatc 240
 cttaaacagg agaacag 257

<210> 44893
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041972H1

<400> 44893

aatccattta acaatgatct cacaaatcgg ttatgtgcag atggggaagt ttcattggac 60
 aaagctgcag aggtgtggaa gaattatatt tgtgaggttt cttcttcaga catttgcaag 120
 acacccggtc ggatgactcc aaccgtttat ggccaaatgg aagctgcagt gaatgtaagc 180
 tatggtttat atcattatgg ccattcttg gttggcctac aagactgcac tttcgttcgg 240
 aaaatattca cagacatcag c 261

<210> 44894
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041973H1

<400> 44894

tccaaatcca aaaaaatcat ggagcagttg tactacctca cccttggtgct actgtttgtg 60
cccttcgtct ctgtctcttt tttcatcatt ttctacaggc atcgttctcc gttcagcgtc 120
cccaacttgc cgccggggaa ggcgggggtt cgggtgatcg gcgagagcct cgagtttctg 180
tcggcgggac cgaaggtggt tcaggagaag ttcttctccg atcgcatgac agagtactct 240
tccaaagtgt tcaagacct 259

<210> 44895

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 701041941H1

<400> 44895

gaaaaatcca ctttggttgt tcaactgtat atgtatctca gtctcaggtg gtggtgcatc 60
gctgagttgt gtgagagtga gaaagagaga gtgtgtgtgt gtgcagaaga tgtggccatt 120
cagcagaaaa ggggcttctg gtttttcatc atcatccacg gcagagcaag tcaactgaagg 180
aattgatgga actggtctca ctgccattgt cacaggagca tccagtggta ttggcactga 240
gactacacgt gtcctttcat tgcg 264

<210> 44896

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 701041908H1

<400> 44896

gaaattgcct ctttcaagaa gcatctgagt gtttactatt ttgtactata tttatatata 60
gtcactcaag cttctaggat ttctgcctgc tgcacaaaa tgggaagcaa cttgaggttt 120
ttgagtcttt gcctcttggc attgattgca tcaactcatg ctcaacttca gcttggtttt 180
tatgctaaca gttgccccaa agcagagcaa attgtctga aatttgttca tgaccatata 240
cacaatgctc catcactagc ag 262

<210> 44897
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041909H1

<400> 44897

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 agatggatgc atcttgaccc atgtgaagga atctatgaca agccattatt atatgaaaa 120
 ggggtggggga aaaaattaaa ttatgtaata gccatagcaa aagatggagt ttatgatgtc 180
 accaaacgat acacaaggaa gtggcatgag gtcctatctc gacgtactat cattacagag 240
 cttcttttgt catctttact ctctaa 266

<210> 44898
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041910H1

<400> 44898

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 gatgacagct catgctgccca tacctccaga agtttactgg gaaaggatgc ttccaaatag 120
 cccaatgccc agagcaatca tagatcttct gaaccgtgat caacttctc tttggtatgg 180
 tgctaaggaa acccaatcta cagatcaaatt attcctgtat gatggtaaga aaaccaatc 240
 tacagatcaa gttcctccta t 261

<210> 44899
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041912H1

<400> 44899

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 ctttttcaca actttttttg taccttctga tctaattggca gttocagtga ttgatttttc 120

aaagctgaat ggtgaagaaa gaacccaaac tatggcacag attgctaatt ggtgtgaaga 180
 gtgggggattt tttcagttga tcaaccatgg tattccagag gaactccttg agaggggtgaa 240
 gaaggttgcc tctgagttct ataagctgga 270

<210> 44900
 <211> 264
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041913H1
 <400> 44900

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 aagcgaacca gcaatacgca cagcaacagc aacaacaaca acaacaagca tacatgatga 120
 tgccgccgca gcctcagccc cctcagatgt gggccccatc ggcccagcct ccgtcccaat 180
 cggtagctcc tccgcaaccc accagcgccg atgaggtacg taccacttg atcggcgatt 240
 tgcagtactg gatggacgaa aatt 264

<210> 44901
 <211> 254
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041915H1
 <400> 44901

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 ctaagctcgt gctctcaagc ctcagctgac aagtagcact attcatctcc accaccacca 120
 gtttacaagt acaagtcccc accaccaccc tacaagtatt catctcctcc accacctcct 180
 aagaagcctt actaatatcc atcaccacca ccaccagtct acaataacta gtcaccacca 240
 ccaccatata agta 254

<210> 44902
 <211> 283
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041917H1

<400> 44902

caacaagtta atagcattcc gcaaaatggc tgccaccacc ttagtctctg aagtcactct 60
 cccctcctcc tccggccagc ggaagatgcc gctgatgggc ctccggcaccg cgccggaagc 120
 aaccagcgcg gttaccacaa aagatgctgt tcttgaggcc atcaagcagg gctacaggca 180
 ctttgatgct gcttctgctt atggtgtgga acagtctgtg ggagaagcca tagctgaagc 240
 acttaagcaa ggactaattg catccagaga tcaactcatc atc 283

<210> 44903

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 701041918H1

<400> 44903

gaaagattcg aaacgaagaa agaaagcgtt gtgaagaatg gcggaagagg gacaagtgat 60
 cgggtgtccac agcgtagagg agtggaagga acatctcaag aagggagaag agtccaagaa 120
 attgattgtg gtggatttta ctgcttcttg gtgcggtcca tgccgtttca ttgccccaat 180
 tcttgagag tttgctaaaa agttgccgaa ggtcaccttc ctcaaggtgg atgtggatga 240
 attggagact gtttccaagg agtggggaat tgagg 275

<210> 44904

<211> 276

<212> DNA

<213> Glycine max

<223> Clone ID: 701041919H1

<400> 44904

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 ttaaattaat ccactttaat taggtctgtt gttcatgatg gctctagcta ctccaggtag 120
 ccctagctcc atgcacatgc cactggtgca aacgtccaac cctagctcac aaaattctat 180
 gacgacaatt accgaaagga gaggaagtgt agtagttcta caaacgaaaa gaaaacatga 240
 tggaggaaaa ggacgtgatc caaaaactaa tagcat 276

<210> 44905

<211> 158
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701041920H1

 <400> 44905

 ctgtattctg aggttccatc tctctctatt tccctctccc atgcaagttg acctttcatt 60
 ccactttttc gaatccctag actcaggcct ggtaaccttt tgagggttgtt ggggtgcagaa 120
 gggaacgatg gctgcttcag aggagaatag tgcactgt 158

<210> 44906
 <211> 263
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701041922H1

 <400> 44906

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 aacttggtat tgattttgat ggaggatccg aagaaaggga tcggagggttc cgggagcacg 120
 tttatagagt gaaggacagg tgcgagaaga cgaaggagat gtggagctac cctatgcgac 180
 cctatggggtt ttggactttc gaacgccaca attctcagct tgcttgggat gcacagatta 240
 gccaaagtggc tgggaggagg gac 263

<210> 44907
 <211> 266
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701041924H1

 <400> 44907

 caaaataact gcatacatct tccatccaac tatatatccc cacactctat ggcgaggtgt 60
 gaatccgttt ccacgacaat gcccttctct gcaaaaatat taatagcact tatattcctt 120
 gcattcgcaa tcacggctac cacttcaact cgaatccttg atgaaataga aacaccagaa 180
 gaaccaaca gtgctgccga atcccctgtt gtctctccac ttccacttgt tgcagaatct 240
 ccagttgagg aagtcaaagg agttga 266

<210> 44908
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041925H1

<400> 44908

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 gagttctaaa gtgccactgc tggccaagac caatgttggg gctggtcggg tagtgcttca 180
 gcctcagggc tttgctattc ctcatattc agatatatcc aaagtagggt atgtgcttca 240
 aggggaacgat ggcgtactgc ggatg 265

<210> 44909
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041927H1

<400> 44909

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 ctctgtgccc tggatgctat tgccaaaacc ttttattttg aagaagcaac atgaagctag 180
 gcatgggggt gaatcctatg aaccacttca agtacagat gagagcttgc aagtggagtc 240
 aaaccatgat tcccatgggc atgagg 266

<210> 44910
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041928H1

<400> 44910

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acgttgccag agatgtgaca tccattctca acaacgatga tttgtacaag gaagccgctt 180
 ccgaggcttt tctcttttac aacaaatcgc acttgatctt ccttccaatg atcaaccgaa 240
 gcggagacgt actggctact tctattggtg a 271

<210> 44911
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041929H1
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 tgaattgaat tttcaaaca aa 142

<210> 44912
 <211> 273
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041930H1
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 aacaccaagg cgtcgcaact cccaacaacc tggccgccgt tgccgccacc gctcctgttg 180
 ccgtcaaact cgtgcccacc cttttgcttc agattttgtg gtgctcgcg accagctcaa 240
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<210> 44913
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 <212> DNA
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 <223> Clone ID: 701041931H1
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 attgcttcaa tcggtttcaa gcttgattct gattctaagc atttcatcat tggcctcagc 180
 atctctgaaa gtgggtttct atagctcaac gtgtccatct gctgaggcaa tagtgagaag 240
 cgtagtagag aaagcaatat ctgccaaccc aggcatag 278

<210> 44914
 <211> 280
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041932H1

<400> 44914

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 aggtcacttc cgccccttaa tgaagttggg ttgacttgct tccgcgattt gatttacaag 180
 gaactaaatg ggaaagttag agatgcagtt atttcactaa ttgatcaaga acgggagggg 240
 gaacagattg atcgagctct attaaagaat gtattagaca 280

<210> 44915
 <211> 214
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041935H1

<400> 44915

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 ttcaacctac tatttgcttg ttgtgtagt actgtgtgat gccaacctag gtcctggagt 180
 aaccaaaaag cttgatctgt ttacaaagtt gaaa 214

<210> 44916
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041937H1

<400> 44916

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tccaaaaccc atttcgccgt ccagtagcaa ccaccatctt tttgattggg actgtagttg 180

ccctttgggt aggtattgga gcaacattac ctattgagaa atccctaact ttaggtcttt 240

tttaaactta taaaattgat tccattat 268

<210> 44917

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 701041938H1

<400> 44917

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caaatgttat gtctcctgac ctacagattg aacgattcat ggttgatctg aagacgcttg 120

aagttcaagc tagagatgga ccttctgata ctaatgcatt ggccaagtgg cggatactta 180

accgcttgca tgacagaaat gagactatgt actataaggt tttgattgcc aaaatagagg 240

aatatgcacc aatagtgtat act 263

<210> 44918

<211> 142

<212> DNA

<213> Glycine max

<223> Clone ID: 701041939H1

<400> 44918

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<213> Glycine max

<223> Clone ID: 701041940H1

<400> 44919

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acagtttccc aaccggccta tggttttccc ccagtttagca tctgctgac aatctagatt 180
tcaaatgcag tccccttggc gaggtattag tctcatagc cagtcaaggc agaaacagga 240
aacccttcca 250

<210> 44920

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 701041907H1

<400> 44920

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gccttggctt tggagttgtt gcaattgtcc ttgtggtgac tgattcccaa gtcaaagagt 180
ttttctcctt tcagaagaaa gctaaattta cagacatgaa ggctttagtg ttcttggtag 240
ttgcgaacg 249

<210> 44921

<211> 135

<212> DNA

<213> Glycine max

<223> Clone ID: 701041868H1

<400> 44921

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tcaatggctt cttctctctc caccaaacca ttctcaacaa ccgacgctct ctccgccttc 120
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<210> 44922

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 701041869H1

<400> 44922

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 tcttaccaag cgggtttttg gaaaggacaa aggagaaagg tttggttgtg gcttcatggg 180
 cactcagggt cagtccttgg tcaaattcag ttgggggggt tctaagcatt gtggttgga 240
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<210> 44923

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 701041870H1

<400> 44923

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 tgctctgtg gtccgtctcc ttgtctcaa gtttgtgcta agcatgtctg ccagtaagga 180
 tgttcttgc ctggcttcac ttgaggttga cctctccagc attgagcctg gcactacagt 240
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<210> 44924

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 701041871H1

<400> 44924

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 atatgcttta tatggcatta cagatttagc cacataacaa aggggtgaaga tggaaactgg 180
 gcatggcttg gtatgcttgc ttcagagctg tggtttggtt tttactgggt ccttactcaa 240

gcccttagat ggaacttgtg ttcagac

267

<210> 44925
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 701041873H1

<400> 44925

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tgggtaagga aaagggttcac atcagtattg tggtcattgg ccatgtcgac tctgggaaat 120
ccactaccac tggtcacctg atttacaagc ttggaggcat tgacaagcgt gttattgaga 180
ggtttgagaa ggaagctgct gagatgaaca agaggctctt caagtatgcc tgggtgctgg 240
acaaacttaa ggctgagcgt gacagagg 268

<210> 44926
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 701041874H1

<400> 44926

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aggggtctcc tgaatatgat gcgttggtga agaaccctga gaaggagttt ttgaagacta 120
ttactggcaa gaaggagacc ctcatgacc ttacagttat agaaatcttg tcaaggcacg 180
catctgatga gttctacctt gggcagagag atgggtggtga ctactggact tctgatgccg 240
gtccattaga ggcatttaag aggtttg 267

<210> 44927
<211> 251
<212> DNA
<213> Glycine max

<223> Clone ID: 701041875H1

<400> 44927

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aagggtcaat catcccatgc aacctggaaa agtgaaacag agatgcatct aaggcaacag 120
 ttgattagc attatgtgtt ctgtatgtt accagttacc tggtagaatg tgatgtgttt 180
 aggactatgc tgttaaatca acaaattaac ttcgtcgta tcaatgccag caggtacaag 240
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<210> 44928
 <211> 269
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041876H1
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 actacttaga gctcaaacc acatatggaa tcacatattt agcttcataa actccatgtc 120
 ccttaaatgt gtggttgact taggcatacc agatatcata cacaactatg gccaaaccat 180
 gccactctca aacctcattg cttcactacc aatccacca tccaaaactt gcttcgtcca 240
 tcgcttgatg cgaatcatga tccattctg 269

<210> 44929
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 <223> Clone ID: 701041877H1
 <400> 44929

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 tccatttagc tttccccaaa taccaaacc tttttcgctt agatcccaat ccaattgggt 120
 tatggacatg gcttcacgtc cccgcaccgt agaagagatc ttcaaggatt acagcgccag 180
 aagaacctct gttattcgcg ctctcactca cgacgttgat gaattttacg gcctctgtga 240
 tccagataag gataacctgt gcctctat 268

<210> 44930
 <211> 267
 <212> DNA
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<223> Clone ID: 701041879H1

<400> 44930

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ctctctacaa cttcaacatt cccaacctcc gcgtcggaac cctagactct ctctctcac 180
tcagcgatga cctcgccaag tccaacaatt tcgtcgaagg agtcacgcac aagatcaggc 240
gccagattga ggagctcgag agagttt 267

<210> 44931

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 701041880H1

<400> 44931

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ggtttccatt atctcctcca tcttcacgtt ccgaaattgt agatagaaga tcacacttgc 120
tcaattccct tctcaagtta ttgttggttg gcaatgcaag atccaaggat tcctttgtca 180
gaggagatct tgaataataa accaaggaag aagaaaaact caaccagaa ggcatcttta 240
tgtcttttgc aagcgaatgg tgtca 265

<210> 44932

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 701041882H1

<400> 44932

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ctcattccaa ttttcatcac aaacacacac tgctacacca aaaaccgaag caaaacaagt 120
gaatcaagac tctacttcgt gttccaatca gaggatatag atagagaatt atgagtcgat 180
tgaacaaaaa tagaagtatt tgtagtgatg gtagtgccag taatgaatct tcttcaagt 240
gaataactgg agaaagggat gatcatcttg 270

<210> 44933
 <211> 121
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041883H1

<400> 44933

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 c 121

<210> 44934
 <211> 177
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041885H1

<400> 44934

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 attgcaatgt cattttacaa cattgggtcaa aatccgtaaa aaaataaagt tctggaggtg 120
 tttgggggttg ggaaaggaga ggaatgatac gatgttctta taattgcagc tttgtta 177

<210> 44935
 <211> 269
 <212> DNA
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<223> Clone ID: 701041886H1

<400> 44935

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 gcaccaagaa ctgcgacttc caaatggaac gttacatctt caagcgccgc aacgacggga 120
 ttacattat taaccttggg aagacgtggg agaagcttca gctagcagct agggttatag 180
 ttgcaattga gaacccccag gatatcattg ttcaatctgc acggccttat gggcaaagag 240
 cggttctgaa gtttgctcag tgcactggt 269

<210> 44936

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<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 701041888H1

<400> 44936

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tgacaggctg cagaattact aaatcatccg catcttcagc cttacattca taaaattcac 180
ctaaaattaa atagcccat aagaagtact tttccattcc aatggccaga gtcaaattac 240
ataaggagaa ctcagtttgt agagcagagt ct 272

<210> 44937
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 701041890H1

<400> 44937

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gagtattaca atgataatgg tgccagggtt ccagttcgtg tacacaccgt gctaattctc 180
accagcatg atgagactgt caccaacgac gaaattgcgg ctgacctcaa ggagcatgtg 240
atcaagcctg tgatcccga gaagta 266

<210> 44938
<211> 161
<212> DNA
<213> Glycine max

<223> Clone ID: 701041891H1

<400> 44938

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agtgaagaga gaatgatgat gaagtctgct atgtgtgcat tgggtgcttgt ggacttggtt 120
gtggttgaag tggggcacat ggctgaggct gcggtgactt g 161

<210> 44939
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<223> Clone ID: 701041893H1

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<210> 44940
 <211> 270
 <212> DNA
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<223> Clone ID: 701041894H1

<400> 44940

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 atcgttcgaa gaaacgagaa cggaagtcaa cttagtggta agaactgttg ttaccgtggg 180
 caactacgat aacatcattg attgggagtt taaaacaagt ggctcaatca aaccctcgat 240
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<210> 44941
 <211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041895H1

<400> 44941

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gtatcaatgg gagtatattc tgatggttcc tacaatgttc cagctggact tatatattca 180
 ttccccgtca cttgtgccaa tggggaatgg gcaatagttc aaggactttc cattgatgag 240
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<210> 44942
 <211> 181
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041896H1

<400> 44942

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 caaaatttta tggaggagca attcatactt agagttccac ctaatgtggc agagcggata 180
 g 181

<210> 44943
 <211> 289
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041901H1

<400> 44943

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 gcattgtatc ccaaggggtgt gcccctctga attctaggtc acgcaaccat gtcataccta 180
 gtacctctgt ctttcgttgc gcttctcgaa tgccctccaa ggttgccgtc tctaacaatcc 240
 ggagcttttg gggacataat ttggaatttc aatccttggt gccaaagagg 289

<210> 44944
 <211> 280
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041902H1

<400> 44944

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tgtgaaaaca gggatagcta gaaagttggt tcagtcacct aatgtacatt tgaatgcagt 180
ttttgacaat tatgtttggg taaataattc ttcattgtta gtttgcacca ttccatcatc 240
ccgtggagct cctccaaaga aacctttggg tccaagttgc 280

<210> 44945
<211> 133
<212> DNA
<213> Glycine max

<223> Clone ID: 701041867H1

<400> 44945

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cagtagcaat ggcggagaca tagtggttta ctggggccaa gacgagagcg agggcacatt 120
gagcgaaaca tgc 133

<210> 44946
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 701041905H1

<400> 44946

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caatctcttt catgtgaggg tagaaccaga aaaaaacaca aaccacacac tctcctaact 120
cgaggttatt tttttctttc cccaaagagg catgagttgc aacgggtgcc gcgtccttcg 180
aaagggctgc agcgagtctt gtattctgcg gccgtgtcta cagtggatcg atacgccga 240
agcacaaggc catgccactg tcttcggt 268

<210> 44947
<211> 284
<212> DNA
<213> Glycine max

<223> Clone ID: 701041830H1

<400> 44947

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 aactacacac aaacctagca accattgagt tttgtatgct ttgaaacatc gtgtgcacag 120
 taccocagaa gatcgaacaa ggatctccac aaagacaaac cccagttctc aactgtgttt 180
 tacctctctc tcacctaata tcagaccata cccagggttt ttggtttttc tttttaaat 240
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<210> 44948

<211> 95

<212> DNA

<213> Glycine max

<223> Clone ID: 701041831H1

<400> 44948

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 ctcagaaaaa aagtttctaa gttaaggcaa tccag 95

<210> 44949

<211> 94

<212> DNA

<213> Glycine max

<223> Clone ID: 701041833H1

<400> 44949

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<210> 44950

<211> 119

<212> DNA

<213> Glycine max

<223> Clone ID: 701041835H1

<400> 44950

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 acgttcaggt ttcaccagta ccaggtgggtt gggagggctc ttcccacgga agcagatca 119

<210> 44951
 <211> 116
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041836H1

<400> 44951

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 gcactctgtg ccaaccacg caggccagtg gatgtacaat ttggccgaaa ctacgt 116

<210> 44952
 <211> 148
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041837H1

<400> 44952

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 aaagtggatga tcctaggagg tgggtgtgcc ggtgccaaac ttgcaaaaac tataacaacat 120
 caagccaacg tcacccttat tgatccga 148

<210> 44953
 <211> 278
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041838H1

<400> 44953

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 cgcgatccaa gcaacactca caccaacaga tctatgcgcc acaacaccac cgcgcaacgg 180
 agaagtcgcg cgcgcgagcagg aagcctcaaa gattgattcg cgcacacaga tggaggtgca 240
 atgatggtgt gacggcgggc cggtggtggc tgggtccaa 278

<210> 44954
 <211> 277
 <212> DNA

<213> Glycine max

<223> Clone ID: 701041840H1

<400> 44954

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 gaaaaacatg gctctgaacc aatcaaaagc cgtgttggtg aggggtgagtt tgggtggtggt 180
 ggcgctcttc atagcagggg acatagtggg tcccctctct actggcattt cgttgaaggt 240
 ttggctgcgg tcaaccactc ttcttctagt tgtgccc 277

<210> 44955

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 701041842H1

<400> 44955

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 ccacgtcccc gatgcgggcg tcatccctc cgctgctgcc ttgcccgatc tgatcgacca 180
 gtacgtcggt agggtttccg gcgctgcaga gggtatcggc ggacaggtct tgggtgtcac 240
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<210> 44956

<211> 276

<212> DNA

<213> Glycine max

<223> Clone ID: 701041843H1

<400> 44956

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 ctgggaagga ctaccaggac cctccaccag caccactcat tgatgctgag gagctcacia 180
 agtggtcctt ttacagggct ctcatgtctg aattcattgc cactttgctc ttcctctaca 240

ttactgtgct cacagtcata ggggtacaagc accaga

276

<210> 44957
<211> 138
<212> DNA
<213> Glycine max

<223> Clone ID: 701041844H1

<400> 44957

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gactggtaca aggtcca 138

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<211> 277
<212> DNA
<213> Glycine max

<223> Clone ID: 701041845H1

<400> 44958

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tcgttaagac actcactggc aagacaatca cccttgaggt ggagagttca gataccatag 120

ataatgtaaa gtccaagatt caagacaagg aagggatccc accagaccag caacgtctca 180

tttttgctgg caagcagctt gaggatggac gtacacttgc tgattacaac atccaaaagg 240

agtcactct tcacttggcg ctccggctcc gtgggtgg 277

<210> 44959
<211> 279
<212> DNA
<213> Glycine max

<223> Clone ID: 701041846H1

<400> 44959

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ctctcccggc ggcgctgagt ggtgatcaag gaaatgggtc agacgctgag ttgcgtgcaa 120

cagcagcagg accatgggtgt gctcttcctt gcacttgcaa gtggagaata ggaggttgtt 180

gaggccatgg tggaggaaga ccccaactgtg ttggaacaca ccattggctg tgacaggctt 240
 tctcctctgc atgtcgctgc tgccaatggg ccgatcgag 279

<210> 44960
 <211> 280
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041847H1

<400> 44960

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 ttcgacgata ttgagtggcg acatccaagc acgccacgta tgtgcctcac accgccggca 180
 ggtactcggg gaagcgggtc aggaaggcgc aatgcacat tgttgagagg ctgaccaact 240
 ctctcatgat gcacggtaga aacaatggca agaaactctt 280

<210> 44961
 <211> 279
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041848H1

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 tccatccccg aacgggttca gctgcatgcg gccatgttgg ccttgcagtt tggctatcct 120
 ggctttcatg tggctcaag agctgccctt aacatgggca ttagcaaact tgttttccca 180
 gtctaccgca acattattgc ttttctctc ctccttctt ttgctactt cttggacaag 240
 aaggagagcc tgccattact ttaaactcct cttacagtt 279

<210> 44962
 <211> 128
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041849H1

<400> 44962

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 tttgttcctt aaattttgca aagagagcga gagcaataga gtccaacaaa gaagtgccag 120
 tggaagtg 128

<210> 44963
 <211> 131
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041851H1
 <400> 44963

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 gttgagaaag agagagatgg gaagagaaaa ggagacaaca aaggtagctt acacagtgga 120
 gcagcttgta g 131

<210> 44964
 <211> 91
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041852H1
 <400> 44964

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 tgtctcgctg ggagcgaaca agttcccga g 91

<210> 44965
 <211> 113
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041853H1
 <400> 44965

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 ctagaaaaaa tgagggaaga aagcaaaaga gcaccactac agctagtga tat 113

<210> 44966
 <211> 157
 <212> DNA

<213> Glycine max

<223> Clone ID: 701041854H1

<400> 44966

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 tgggaagaag gatatgcaag aatctgttaa tcagaatctt gattttgtcc ttggctcagc 120
 tccaatatgg gataggggtg agcttaaagg caacaag 157

<210> 44967

<211> 277

<212> DNA

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<223> Clone ID: 701041856H1

<400> 44967

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 gaagaagaag aagaagagcg gaacgttggga ataggaggag gagacgagga ggagcagatt 180
 ccggtggcgc tgccgggtccg ggacttcgac atcgtcatcg acgcactgcc gtcggggacg 240
 atcaacgacc tgcacgagat cacgaagcga atgggtgg 277

<210> 44968

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 701041857H1

<400> 44968

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 aattgctggg tcttgtaatt attattattg caattccatt ttgtgacttc cctgttgctt 180
 gtttaattagt gtgaccaga tgggtgttttg agtatttgtt tggagattca ttcagtattt 240
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<210> 44969

<211> 154
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701041858H1

 <400> 44969

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 ccttttcaat ctacggcgac atcggtgaat cgaa 154

<210> 44970
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 <223> Clone ID: 701041828H1

 <400> 44970

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 ttatccagct actatctcag ttccattttg tctcaciaat ctttgagag tgccttggcc 120
 aaccacctct ccacaaattt gaggagcttg agccttccaa gcagaccct ttttgacctt 180
 ttcatgggtg ttttggttga tgatggagat gatgacatcg taggtgctgt gaaggatgat 240
 ttgatagctg ttaaggagag ggacctgctt gcataag 277

<210> 44971
 <211> 159
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701041860H1

 <400> 44971

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 ctcaactgtcc tcaaagacag atccgaaagt ggatgccaaa tctatcacc ctcgtcgccc 120
 gagattatcg taccatttag attcttcttc cctcttctt 159

<210> 44972
 <211> 275
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<213> Glycine max

<223> Clone ID: 701041861H1

<400> 44972

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cccttggtatt ggctttctcaa atccatgttt cctctgggaa actagtcctt ggactatcat 120
ggaattacta tttgttgaca tgtcccaagc ttgagaggat tataaggaag catcttgagg 180
atgtcttcga gaaggacagt ggagtagctc ctggcatact tcgactcttc ttccatgact 240
gctttcctaa tggatgcgat gcgtctatat tgttg 275

<210> 44973

<211> 276

<212> DNA

<213> Glycine max

<223> Clone ID: 701041862H1

<400> 44973

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aagtagaggt ggcaccacca caagctgggtg aagtgcgttt gaagatcctc tacacctctc 180
tttgccacac tgatgtttac ttctgggaag ccaagggccca aactccattg tttcctcgta 240
tatttggtca tgaagctgga gggattgtgg agagcg 276

<210> 44974

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 701041863H1

<400> 44974

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agttcagatc tcatgtgggt ggagacacac aattgctgta actgaaaagg aaaatgtatt 180
ttcttgggga agaggcacia atgggcaact tgggcatggg gataccgttg accggaattc 240

tccaaagatt attgagcat tgagtgtga tgg

273

<210> 44975
<211> 160
<212> DNA
<213> Glycine max

<223> Clone ID: 701041864H1

<400> 44975

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aaacatgact atggaagagg gcagggtaga gaacgaggac 160

<210> 44976
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 701041866H1

<400> 44976

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tattccgaga catgtgctgt tggctgtaag gaacgatgag gagttgggga aattgcttgc 180
tggtgtcacc attgctcatg gtgggtgttct tccaaacatt aaccctgttt tgctacctaa 240
gaagactcag gttgctaagg aacaaaaatc tccat 275

<210> 44977
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<212> DNA
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<223> Clone ID: 701041794H1

<400> 44977

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aatcgttcga agaaacgaga acggaagtca acttagtggt aagaactggt gttaccgtgg 180

gcaactacga taacatcatt gattgggagt ttaaaacaag tggctcaatc aaaccctcga 240
 ttgctctctc gggt 254

<210> 44978
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041796H1
 <400> 44978

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 caaaatttta tggaggagca attcatactt agagtccac ctaatgtggc agagcggata 180
 gagcgtcttc tgaatgaaa caatgcttct tcatctgaag acaagtcact agatttgtca 240
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<210> 44979
 <211> 148
 <212> DNA
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 <223> Clone ID: 701041801H1
 <400> 44979

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 ataaagctag ggatggatcc aaaagaggca atatcaaaag tgagcacact gtctgatgtt 120
 gaagggttat gcgtatcatt tgctggta 148

<210> 44980
 <211> 194
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701041803H1
 <400> 44980

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 acaacgatgg tgctgccgct atttactgct ttcattctct ttgcttttat tccgaatgga 120

ttgttagcag ttcttccac cgtcccggca ttcatttggc catcacatta tgaactggcc 180
tctgaaaata tatt 194

<210> 44981
<211> 141
<212> DNA
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<223> Clone ID: 701041804H1

<400> 44981

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atttctgct tgccgtcttc aactcaaacc gactacaacg cgcgtcgata ctgttctttt 120
ccgcaacgcc cacgcccacg c 141

<210> 44982
<211> 143
<212> DNA
<213> Glycine max

<223> Clone ID: 701041805H1

<400> 44982

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ttatgatact gagaaagttg gggggcctga aatttggcat ctacagctat cagattgcta 120
tatttgttgt cttgtttagc aaa 143

<210> 44983
<211> 283
<212> DNA
<213> Glycine max

<223> Clone ID: 701041806H1

<400> 44983

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283

<210> 44984
<211> 208
<212> DNA
<213> Glycine max

<223> Clone ID: 701041807H1

<400> 44984

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atcacttttt ttctctgctt tgggaaatga tgccattgtt gtcccttgcg aagcaaacc 180

catcaccacc atcatcatgt aggagcga 208

<210> 44985
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<212> DNA
<213> Glycine max

<223> Clone ID: 701041808H1

<400> 44985

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ctgccctctg ttcttaatct cattctgcct cccctcagat ctcgctttca 230

<210> 44986
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<212> DNA
<213> Glycine max

<223> Clone ID: 701041809H1

<400> 44986

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gttacaaaac taaaggcggc gccggtgtcg cgcacggaag tttagagtcc ggcatgacgg 120

cgggtgaagct gctggatttg atgccggtga tgcgaactcc gatgaggacg cggcggagat 180

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<210> 44987
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 <212> DNA
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<223> Clone ID: 701041810H1

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<210> 44988
 <211> 274
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701041812H1

<400> 44988

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 gtccgtgtga atggtgctaa tcaacgtagt catcgtttgc ttgggaaata ggggcgtata 240
 tcatgagatt gatactaatt tttaccatgc atta 274

<210> 44989
 <211> 95
 <212> DNA
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<223> Clone ID: 701041813H1

<400> 44989